

Appendix C

Air Quality and GHG Calculations

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C1 – Southern California Edison Air and GHG Calculations

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Table 1.3 - Summary of Maximum Daily Emissions from Project Construction

Year	Proposed Project Component	Maximum Daily Emissions (lbs/day)*			
		ROG	NOx	PM10	PM2.5
2015	66-kV Subtransmission Line	94.25	849.94	275.30	59.18
	Substations	3.93	44.25	25.13	4.22
	Total 2015	98.18	894.19	300.44	63.40
2016	66-kV Subtransmission Line	3.75	41.56	22.32	3.74
	Substations	0.44	4.40	4.63	0.63
	Total 2016	4.18	45.96	26.95	4.37

Notes:

(*) Correspond to "Total Mitigated Emissions" or emissions with Implementation of APMs

1. Concurrent emissions based on the applicant's estimate of the construction activities schedule and expected sequencing of activities in 2015 and 2016
2. Emissions estimates for 66-kV Subtransmission Line Construction include onsite, offsite, and helicopter emissions from: subtransmission construction, J-Tower I
3. The applicant estimated helicopter emissions based on the emission factors methodology (See Tabs 5 and 6 of this Workbook)

2. Greenhouse Gas Emissions

Table 2.1 GHG Annual Emissions (CalEEMod Annual Results June 2014)

Activity Name		2015 GHG Emissions (MTCO2e)			2016 GHG Emissions (MTCO2e)		
		Onsite	Offsite	Total	Onsite	Offsite	Total
Subtransmission Lines	Survey	0	2	2	0	0	0
	Material Staging Yards	300	38	338	171	5	176
	Tree Trimming	16	0	16	0	0	0
	R/W Clearing	39	1	39	0	0	0
	Roads and Landing Work	74	3	77	0	0	0
	Guard Structure Installation	23	1	24	0	0	0
	Remove Existing Conductor	174	7	181	0	0	0
	Install TSP Foundation	219	21	240	0	0	0
	TSP Haul	76	5	80	0	0	0
	Install Conductor	345	11	356	0	0	0
	TSP Assembly	88	12	100	0	0	0
	TSP Erection	81	18	100	0	0	0
	LST Removal	134	19	154	82	12	94
	LST Foundation Removal	78	3	80	0	0	0
	Wood Pole Removal	11	0	12	0	0	0
	LWS Pole Haul	0	0	0	4	0	4
	LWS Pole Assembly	0	0	0	5	1	6
	Install LWS Pole	0	0	0	5	0	5
	Install PRGW&FRC	0	0	0	159	3	163
	Guard Structure Removal	0	0	0	10	3	12
Duct Bank Installation	0	0	0	8	0	8	
UG Cable Installation	0	0	0	3	0	3	
Restoration	0	0	0	22	2	25	
Retaining Wall Structures	1536	108	1643	65	5	70	
TOTAL SUBTRANSMISSION LINES	3192	250	3442	533	31	564	
Substations	Carpinteria Civil	11	1	12	0	0	0
	Carpinteria Electrical	92	10	102	0	0	0
	Carpinteria Maintenance	17	1	18	0	0	0
	Carpinteria Test	0	0	0	7	1	8
	Santa Clara Civil	6	0	6	0	0	0
	Santa Clara Electrical	37	4	41	0	0	0
	Santa Clara Maintenance	15	1	16	0	0	0
	Santa Clara Test	4	0	4	1	0	1
	Casitas Civil	11	1	12	0	0	0
	Casitas Electrical	27	3	30	0	0	0
	Goleta Electrical	0	0	0	2	0	2
	Goleta Test	0	0	0	2	0	2
	Santa Barbara Electrical	0	0	0	2	0	2
	Santa Barbara Test	0	0	0	2	0	2
	Ortega Electrical	0	0	0	1	0	1
	Ortega Test	0	0	0	1	0	1
TOTAL SUBSTATIONS	220	21	241	17	3	19	
J-Tower Install	Site 132 Brushing, Roads & Landing Work	1	0	1	0	0	0
	Site 132 LST Removal	2	0	3	0	0	0
	Site 132 Install J-Tower Footings	12	0	12	0	0	0
	Site 132 J-Tower Assembly & Erection	7	1	7	0	0	0
	Site 128 Brushing, Roads & Landing Work	7	0	7	0	0	0
	Site 128 LST Removal	2	0	3	0	0	0
	Site 128 Install J-Tower Footings	6	0	6	0	0	0
	Site 128 J-Tower Assembly & Erection	7	1	7	0	0	0
	Site 99 Install J-Tower Foundations	5	0	5	0	0	0
	Site 99 J-Tower Assembly & Erection	2	0	2	0	0	0
	Site 97 Install J-Tower Foundations	4	0	4	0	0	0
	Site 97 J-Tower Assembly & Erection	5	1	6	0	0	0
	TOTAL J-TOWER INSTALLATION	60	5	65	0	0	0
	Seg 4	Segment 4 Remove Existing Conductor & GW	22	1	23	0	0
Segment 4 LST Removal		8	1	9	0	0	0
Segment 4 LST Foundation Removal		4	0	4	0	0	0
TOTAL SEGMENT 4 REMOVAL		34	2	36	0	0	0
TOTAL GHG EMISSIONS		3506	277	3783	550	33	583

Source: SCE June 2014

Table 2.2 Helicopter GHG Emissions (Year 2015)

Activity Name		GHG Emissions (MTCO ₂ e)
J-Tower Install	Site 132 LST Removal	8
	Site 132 Install J-Tower Footings	6
	Site 132 J-Tower Assembly & Erection	4
	Site 128 LST Removal	8
	Site 128 J-Tower Assembly & Erection	4
	Site 99 J-Tower Assembly & Erection	4
	Site 97 J-Tower Assembly & Erection	4
	TOTAL J-TOWER INSTALLATION (HELICOPTERS)	39

Source: SCE May 2014

Table 2.3 Project-specific Construction Emissions

Year	Proposed Project Component	Annual GHG Emissions
2015	66-kV Subtransmission Line	3,581
	Substations	241
	Total 2015	3,822
2016	66-kV Subtransmission Line	564
	Substations	19
	Total 2016	583
TOTAL GHG EMISSIONS FROM CONSTRUCTION		4,406

**Santa Barbara County Reliability Project
Ventura County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2016
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - power lines. no operational vehicle trips
- Construction Phase - based on client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - site info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - (1) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) auger truck 210 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - (4) 4x4 truck; (4) manlift/bucket truck 250 hp; (2) boom/crane truck 350 hp; (1) dump truck 350 hp; (2) water truck 300 hp; (2) auger truck 210 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) auger truck 210 hp; (1) backhoe/front loader 125 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - (4) 4x4 truck 300 hp; (4) manlift 250 hp; (2) crane truck 350 hp; (1) dump truck 350 hp; (2) water truck 300 hp; (2) wire truck 350 hp; (1) sl puller 300 hp; (1) bw puller 350 hp; (1) static truck 350 hp; (1) loader 125 hp; (2) lowboy truck 450 hp

Off-road Equipment - same as install conductor

Off-road Equipment - (1) boom/crane truck 350 hp; (1) backhoe/front loader 125 hp; (1) auger truck 210 hp; (1) water truck 300 hp; (1) dump truck 350 hp; (3) concrete mixer truck 350 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) Backhoe/front loader; (1) dump truck 350 hp; (1) excavator 250 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) R/T crane 215 hp; (1) boom/crane truck 350 hp; (1) flat bed truck/trailer 400 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - (1) R/T Forklift 125 hp; (1) Boom/Crane Truck 350 hp; (1) Semi Tractor Truck 400 hp

Off-road Equipment - 1 diesel 4x4 truck; 1 R/T forklift; 1 boom/crane truck; 1 water truck; 1 semi tractor truck

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - (1) Backhoe/Front loader 125 hp; (1) Track type dozer 150 hp; (1) motor grader 250 hp; (1) lowboy truck/trailer 450 hp; (1) 4x4 truck 300 hp; (1) water truck 300 hp

Off-road Equipment - (4) 4x4 trucks; (4) manlift/bucket truck 250 hp; (2) boom/crane truck 350 hp; (1) bull whell puller 350 hp; (1) sock line puller 300 hp; (2) water truck 300 hp; (1) static truck/tensioner 350 hp; (2) lowboy truck/trailer

Off-road Equipment - (1) backhoe/front loader 125 hp; (1) grader 250 hp; (1) drum type compactor 100 hp; (1) lowboy truck/trailer 450 hp

Off-road Equipment - client info

Off-road Equipment - (2) 4x4 truck 300 hp; (1) brusher 110 hp; (1) chipper 50 hp; (1) loader 125 hp; (1) track type dozer 150 hp; (1) motor grader 250 hp; (2) water truck 300 hp; (1) compactor 100 hp; (1) excavator 250 hp; (1) lowboy truck 450 hp

Off-road Equipment - site info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

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Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - No diesel equipment

Off-road Equipment - 1 dump truck; 1 truck; 1 chipper

Off-road Equipment - (2) 4x4 truck; (1) compressor trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) 4x4 truck; (1) Compressor Trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - (1) bucket truck 250 hp; (1) crane truck 350 hp; (2) wire truck 350 hp; (1) puller 350 hp; (1) static truck 350 hp

Off-road Equipment - (2) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - site info

Trips and VMT - based on client info - vendor truck represents construction 4x4 truck. Assumes truck travels 10 miles per hour.

On-road Fugitive Dust - site info

Demolition -

Grading - site info

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - APMs

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	75	250
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstEquipMitigation	FuelType	Diesel	CNG
tblConstEquipMitigation	FuelType	Diesel	CNG
tblConstEquipMitigation	FuelType	Diesel	Bio-diesel
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
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tblGrading	AcresOfGrading	7.50	45.00
tblGrading	AcresOfGrading	10.50	78.75
tblGrading	AcresOfGrading	7.00	8.25
tblGrading	AcresOfGrading	0.00	7.00
tblGrading	AcresOfGrading	0.25	1.20
tblGrading	AcresOfGrading	0.00	22.00
tblGrading	AcresOfGrading	0.00	44.50
tblGrading	AcresOfGrading	0.00	44.50
tblGrading	AcresOfGrading	0.00	15.00
tblGrading	AcresOfGrading	0.25	0.85
tblGrading	AcresOfGrading	0.00	0.50
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tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	1.00
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tblGrading	AcresOfGrading	0.00	1.50
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tblGrading	MaterialExported	0.00	510.00
tblGrading	MaterialImported	0.00	3,287.00
tblGrading	MaterialImported	0.00	484.00
tblGrading	MaterialImported	0.00	343.00
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tblOffRoadEquipment	HorsePower	226.00	350.00
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tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
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tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00

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tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
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tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00

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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	HaulingPercentPave	100.00	90.00
tblOnRoadDust	HaulingPercentPave	100.00	90.00

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tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	20.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	60.00
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tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	20.00
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	20.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00
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tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
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tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
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tblTripsAndVMT	VendorTripNumber	0.00	1.00

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
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tblTripsAndVMT	WorkerTripNumber	18.00	34.00
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tblTripsAndVMT	WorkerTripNumber	25.00	10.00
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tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	38.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	28.00	22.00
tblTripsAndVMT	WorkerTripNumber	23.00	14.00
tblTripsAndVMT	WorkerTripNumber	50.00	40.00
tblTripsAndVMT	WorkerTripNumber	15.00	28.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00
tblTripsAndVMT	WorkerTripNumber	25.00	18.00
tblTripsAndVMT	WorkerTripNumber	63.00	40.00
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tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	43.00	40.00
tblTripsAndVMT	WorkerTripNumber	18.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00

tblTripsAndVMT	WorkerTripNumber	25.00	10.00
tblTripsAndVMT	WorkerTripNumber	23.00	16.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00
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tblTripsAndVMT	WorkerTripNumber	15.00	24.00
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tblTripsAndVMT	WorkerTripNumber	10.00	8.00
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tblTripsAndVMT	WorkerTripNumber	5.00	10.00
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tblTripsAndVMT	WorkerTripNumber	10.00	22.00
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tblTripsAndVMT	WorkerTripNumber	8.00	4.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00
tblTripsAndVMT	WorkerTripNumber	18.00	16.00
tblTripsAndVMT	WorkerTripNumber	23.00	12.00

tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblTripsAndVMT	WorkerTripNumber	58.00	40.00
tblTripsAndVMT	WorkerTripNumber	43.00	12.00
tblTripsAndVMT	WorkerTripNumber	33.00	12.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00
tblTripsAndVMT	WorkerTripNumber	20.00	14.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Carpinteria Material Yards	Site Preparation	1/5/2015	1/22/2015	5	14	
2	Y Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
3	Hwy 150A Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
4	Hwy 150B Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
5	Hwy 150C Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
6	Hwy 150D Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
7	Santa Ana Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
8	Survey	Site Preparation	1/5/2015	1/27/2015	5	17	Subtransmission Activity1
9	Material Staging Yards	Site Preparation	1/28/2015	8/18/2016	5	407	Subtransmission Activity2
10	Tree Trimming	Site Preparation	1/28/2015	2/16/2015	5	14	Subtransmission Activity3
11	R/W Clearing	Grading	2/17/2015	3/16/2015	5	20	Subtransmission Activity4
12	Retaining Wall Structures	Site Preparation	3/13/2015	1/13/2016	5	150	Retaining Wall
13	Carpinteria Civil	Trenching	3/16/2015	3/29/2015	5	10	Substation Activity1
14	Santa Clara Civil	Trenching	3/16/2015	4/4/2015	5	14	Substation Activity5
15	Roads and Landing Work	Grading	3/17/2015	4/23/2015	5	28	Subtransmission Activity5
16	Guard Structure Installation	Building Construction	3/17/2015	4/1/2015	5	12	Subtransmission Activity6
17	Carpinteria Electrical	Site Preparation	3/30/2015	9/13/2015	5	120	Substation Activity2
18	Santa Clara Electrical	Site Preparation	4/5/2015	7/11/2015	5	70	Substation Activity6
19	Remove Existing Conductor	Trenching	5/5/2015	6/17/2015	5	32	Subtransmission Activity7
20	Install TSP foundation	Building Construction	5/11/2015	12/31/2015	5	169	Subtransmission Activity8
21	TSP Haul	Site Preparation	5/14/2015	7/15/2015	5	45	Subtransmission Activity9
22	Casitas Civil	Trenching	5/14/2015	5/27/2015	5	10	Substation Activity9
23	Install Conductor	Site Preparation	5/16/2015	7/14/2015	5	44	Subtransmission Activity10
24	TSP Assembly	Site Preparation	5/18/2015	9/17/2015	5	89	Subtransmission Activity11
25	TSP Erection	Site Preparation	5/21/2015	9/16/2015	5	85	Subtransmission Activity12

26	Casitas Electrical	Site Preparation	5/28/2015	8/5/2015	5	50	Substation Activity10
27	LST Removal	Site Preparation	6/18/2015	5/2/2016	5	228	Subtransmission Activity13
28	LST Foundation Removal	Demolition	6/25/2015	10/26/2015	5	88	Subtransmission Activity14
29	Seg4 Remove Existing Conductor & GW	Demolition	6/25/2015	6/30/2015	5	4	Seg 4 Remove Activity1
30	Site 132 Brushing, Roads & Landing Work	Site Preparation	6/25/2015	6/25/2015	5	1	Seg 4 Activity 01
31	Site 128 Brushing, Roads & Landing Work	Site Preparation	6/25/2015	6/29/2015	5	3	Seg 4 Activity 05
32	Site 99 Install J-Tower Foundations	Site Preparation	6/25/2015	6/27/2015	5	3	Seg 4 Activity 09
33	Site 97 Install J-Tower Footings	Site Preparation	6/25/2015	6/27/2015	5	3	Seg 4 Activity 11
34	Site 132 LST Removal	Site Preparation	6/26/2015	6/29/2015	5	2	Seg 4 Activity 02
35	Site 99 J-Tower Assembly & Erection	Site Preparation	6/28/2015	6/29/2015	5	1	Seg 4 Activity 10
36	Site 97 J-Tower Assembly & Erection	Site Preparation	6/28/2015	7/1/2015	5	3	Seg 4 Activity 12
37	Site 132 Install J-Tower Footings	Site Preparation	6/30/2015	7/2/2015	5	3	Seg 4 Activity 03
38	Site 128 LST Removal	Site Preparation	6/30/2015	7/1/2015	5	2	Seg 4 Activity 06
39	Wood Pole Removal	Site Preparation	7/1/2015	7/6/2015	5	4	Subtransmission Activity15
40	Seg 4 LST Removal	Site Preparation	7/1/2015	7/10/2015	5	8	Seg 4 Remove Activity2
41	Site 128 Install J-Tower Footings	Site Preparation	7/2/2015	7/6/2015	5	3	Seg 4 Activity 07
42	Site 132 J-Tower Assembly & Erection	Site Preparation	7/3/2015	7/7/2015	5	3	Seg 4 Activity 04
43	Site 128 J-Tower Assembly & Erection	Site Preparation	7/7/2015	7/9/2015	5	3	Seg 4 Activity 08
44	Seg 4 LST Foundation Removal	Demolition	7/11/2015	7/16/2015	5	4	Seg 4 Remove Activity3
45	Santa Clara Maintenance	Site Preparation	7/12/2015	10/17/2015	5	70	Substation Activity7
46	Casitas Maintenece	Site Preparation	6/6/2015	10/14/2015	5	50	Substation Activity11
47	Carpinteria Maintenance	Site Preparation	9/14/2015	1/3/2016	5	80	Substation Activity3
48	Casitas Test	Site Preparation	10/15/2015	12/23/2015	5	50	Substation Activity12
49	Santa Clara Test	Site Preparation	10/18/2015	1/23/2016	5	70	Substation Activity8
50	Carpinteria Test	Site Preparation	1/4/2016	5/22/2016	5	100	Substation Activity4
51	Golita Electrical	Site Preparation	1/24/2016	2/27/2016	5	25	Substation Activity13
52	Santa Barbara Electrical	Site Preparation	2/22/2016	3/25/2016	5	25	Substation Activity15
53	Golita Test	Site Preparation	2/28/2016	4/2/2016	5	25	Substation Activity14
54	Santa Barbara Test	Site Preparation	3/28/2016	5/1/2016	5	25	Substation Activity16
55	Ortega Electrical	Site Preparation	4/3/2016	4/16/2016	5	10	Substation Activity17
56	Ortega Test	Site Preparation	4/17/2016	4/30/2016	5	10	Substation Activity18

57	LWS Pole Haul	Site Preparation	5/24/2016	5/29/2016	5	4	Subtransmission Activity16
58	LWS Pole Assembly	Site Preparation	5/30/2016	6/2/2016	5	4	Subtransmission Activity17
59	Instal LWS Pole	Site Preparation	6/5/2016	6/8/2016	5	4	Subtransmission Activity18
60	Install PRGW&FRC	Site Preparation	6/9/2016	7/9/2016	5	21	Subtransmission Activity19
61	Guard Structure Removal	Demolition	7/10/2016	7/20/2016	5	9	Subtransmission Activity20
62	Duct Bank Installation	Site Preparation	7/21/2016	7/25/2016	5	3	Subtransmission Activity21
63	UG Cable Installation	Site Preparation	7/26/2016	7/26/2016	5	1	Subtransmission Activity22
64	Restoration	Site Preparation	7/27/2016	8/20/2016	5	17	Subtransmission Activity23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Carpinteria Material Yards	Bore/Drill Rigs	1	6.00	85	0.50
Carpinteria Material Yards	Graders	0	8.00	174	0.41
Carpinteria Material Yards	Graders	1	8.00	250	0.41
Carpinteria Material Yards	Off-Highway Trucks	1	2.00	450	0.38
Carpinteria Material Yards	Off-Highway Trucks	1	8.00	300	0.38
Carpinteria Material Yards	Plate Compactors	1	8.00	100	0.43
Carpinteria Material Yards	Rubber Tired Dozers	1	8.00	150	0.40
Carpinteria Material Yards	Rubber Tired Loaders	1	8.00	250	0.36
Carpinteria Material Yards	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Y Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Y Material Yard	Graders	0	8.00	174	0.41
Y Material Yard	Graders	1	1.00	250	0.41
Y Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Y Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Y Material Yard	Plate Compactors	1	1.00	100	0.43
Y Material Yard	Rubber Tired Dozers	1	1.00	150	0.40
Y Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150A Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150A Material Yard	Graders	0	8.00	174	0.41
Hwy 150A Material Yard	Graders	1	1.00	250	0.41
Hwy 150A Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Hwy 150A Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150A Material Yard	Plate Compactors	1	1.00	100	0.43
Hwy 150A Material Yard	Rubber Tired Dozers	1	1.00	150	0.40
Hwy 150A Material Yard	Rubber Tired Loaders	1	8.00	250	0.36
Hwy 150A Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150B Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150B Material Yard	Graders	0	8.00	174	0.41

Hwy 150B Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150B Material Yard	Plate Compactors	1	2.00	100	0.43
Hwy 150B Material Yard	Rubber Tired Dozers	1	2.00	150	0.40
Hwy 150B Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150C Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150C Material Yard	Graders	0	8.00	174	0.41
Hwy 150C Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150C Material Yard	Plate Compactors	1	2.00	100	0.43
Hwy 150C Material Yard	Rubber Tired Dozers	1	2.00	150	0.40
Hwy 150C Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150D Material Yard	Bore/Drill Rigs	1	6.00	85	0.50
Hwy 150D Material Yard	Graders	0	8.00	174	0.41
Hwy 150D Material Yard	Graders	1	8.00	250	0.41
Hwy 150D Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Hwy 150D Material Yard	Off-Highway Trucks	1	8.00	300	0.38
Hwy 150D Material Yard	Plate Compactors	1	8.00	100	0.43
Hwy 150D Material Yard	Rubber Tired Dozers	1	8.00	150	0.40
Hwy 150D Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Santa Ana Material Yard	Bore/Drill Rigs	1	6.00	85	0.50
Santa Ana Material Yard	Graders	0	8.00	174	0.41
Santa Ana Material Yard	Graders	1	8.00	250	0.41
Santa Ana Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Santa Ana Material Yard	Off-Highway Trucks	1	8.00	300	0.38
Santa Ana Material Yard	Plate Compactors	1	8.00	100	0.43
Santa Ana Material Yard	Rubber Tired Dozers	1	8.00	150	0.40
Santa Ana Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Survey	Graders	1	0.00	162	0.41
Survey	Off-Highway Trucks	1	0.00	300	0.38
Survey	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Material Staging Yards	Cranes	1	2.00	350	0.29
Material Staging Yards	Forklifts	1	6.00	125	0.20

Material Staging Yards	Graders	1	0.00	162	0.41
Material Staging Yards	Off-Highway Trucks	1	4.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	8.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	2.00	400	0.38
Material Staging Yards	Tractors/Loaders/Backhoes	1	0.00	160	0.37
Tree Trimming	Graders	1	0.00	162	0.41
Tree Trimming	Off-Highway Trucks	1	8.00	380	0.38
Tree Trimming	Off-Highway Trucks	1	8.00	300	0.38
Tree Trimming	Other General Industrial Equipment	1	4.00	50	0.34
Tree Trimming	Tractors/Loaders/Backhoes	1	0.00	75	0.37
R/W Clearing	Concrete/Industrial Saws	1	0.00	81	0.73
R/W Clearing	Cranes	1	0.00	350	0.29
R/W Clearing	Forklifts	1	0.00	125	0.20
R/W Clearing	Graders	1	6.00	250	0.41
R/W Clearing	Off-Highway Trucks	1	4.00	450	0.38
R/W Clearing	Off-Highway Trucks	1	8.00	300	0.38
R/W Clearing	Off-Highway Trucks	1	8.00	300	0.38
R/W Clearing	Rubber Tired Dozers	1	0.00	358	0.40
R/W Clearing	Tractors/Loaders/Backhoes	1	6.00	125	0.37
R/W Clearing	Tractors/Loaders/Backhoes	1	6.00	150	0.37
Retaining Wall Structures	Excavators	5	4.00	70	0.38
Retaining Wall Structures	Graders	0	8.00	174	0.41
Retaining Wall Structures	Off-Highway Trucks	6	4.00	300	0.38
Retaining Wall Structures	Off-Highway Trucks	5	6.00	350	0.38
Retaining Wall Structures	Off-Highway Trucks	5	8.00	300	0.38
Retaining Wall Structures	Off-Highway Trucks	2	4.00	450	0.38
Retaining Wall Structures	Tractors/Loaders/Backhoes	5	4.00	125	0.37
Carpinteria Civil	Bore/Drill Rigs	1	6.00	305	0.50
Carpinteria Civil	Cranes	1	4.00	180	0.29
Carpinteria Civil	Forklifts	1	2.00	75	0.20
Carpinteria Civil	Graders	1	0.00	162	0.41

Carpinteria Civil	Off-Highway Trucks	2	2.00	180	0.38
Carpinteria Civil	Off-Highway Trucks	1	6.00	180	0.38
Carpinteria Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Carpinteria Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37
Carpinteria Civil	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Santa Clara Civil	Forklifts	1	2.00	75	0.20
Santa Clara Civil	Graders	1	0.00	162	0.41
Santa Clara Civil	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Civil	Off-Highway Trucks	1	6.00	180	0.38
Santa Clara Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37
Roads and Landing Work	Concrete/Industrial Saws	1	0.00	81	0.73
Roads and Landing Work	Cranes	1	2.00	350	0.29
Roads and Landing Work	Excavators	1	4.00	250	0.38
Roads and Landing Work	Forklifts	1	6.00	125	0.20
Roads and Landing Work	Graders	1	6.00	250	0.41
Roads and Landing Work	Off-Highway Trucks	1	4.00	450	0.38
Roads and Landing Work	Off-Highway Trucks	1	2.00	400	0.38
Roads and Landing Work	Off-Highway Trucks	2	8.00	300	0.38
Roads and Landing Work	Other Construction Equipment	1	8.00	110	0.42
Roads and Landing Work	Other General Industrial Equipment	1	8.00	50	0.34
Roads and Landing Work	Plate Compactors	1	6.00	100	0.43
Roads and Landing Work	Rubber Tired Dozers	1	0.00	358	0.40
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	125	0.37
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	150	0.37
Guard Structure Installation	Air Compressors	1	4.00	60	0.48
Guard Structure Installation	Bore/Drill Rigs	1	4.00	210	0.50
Guard Structure Installation	Cranes	1	6.00	350	0.29
Guard Structure Installation	Cranes	1	0.00	350	0.29
Guard Structure Installation	Forklifts	1	0.00	125	0.20
Guard Structure Installation	Off-Highway Trucks	1	4.00	250	0.38

Guard Structure Installation	Off-Highway Trucks	1	8.00	400	0.38
Guard Structure Installation	Off-Highway Trucks	1	0.00	400	0.38
Guard Structure Installation	Off-Highway Trucks	1	8.00	300	0.38
Guard Structure Installation	Tractors/Loaders/Backhoes	2	0.00	75	0.37
Carpinteria Electrical	Aerial Lifts	2	6.00	75	0.31
Carpinteria Electrical	Cranes	1	4.00	180	0.29
Carpinteria Electrical	Cranes	1	6.00	250	0.29
Carpinteria Electrical	Forklifts	1	2.00	75	0.20
Carpinteria Electrical	Graders	1	0.00	162	0.41
Carpinteria Electrical	Off-Highway Trucks	1	2.00	180	0.38
Carpinteria Electrical	Off-Highway Trucks	1	2.00	180	0.38
Carpinteria Electrical	Off-Highway Trucks	2	2.00	180	0.38
Carpinteria Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Electrical	Aerial Lifts	2	6.00	75	0.31
Santa Clara Electrical	Cranes	1	6.00	180	0.29
Santa Clara Electrical	Forklifts	1	2.00	75	0.20
Santa Clara Electrical	Graders	1	0.00	162	0.41
Santa Clara Electrical	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Electrical	Off-Highway Trucks	2	2.00	180	0.38
Santa Clara Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Remove Existing Conductor	Cranes	2	8.00	350	0.29
Remove Existing Conductor	Cranes	1	0.00	350	0.29
Remove Existing Conductor	Forklifts	1	0.00	125	0.20
Remove Existing Conductor	Off-Highway Trucks	4	8.00	250	0.38
Remove Existing Conductor	Off-Highway Trucks	1	1.00	350	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	450	0.38
Remove Existing Conductor	Off-Highway Trucks	1	0.00	400	0.38
Remove Existing Conductor	Off-Highway Trucks	4	4.00	300	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	300	0.38
Remove Existing Conductor	Other Construction Equipment	1	6.00	350	0.42
Remove Existing Conductor	Other Construction Equipment	1	6.00	300	0.42

Install TSP foundation	Bore/Drill Rigs	1	6.00	125	0.50
Install TSP foundation	Cement and Mortar Mixers	3	2.00	350	0.56
Install TSP foundation	Cranes	1	0.00	350	0.29
Install TSP foundation	Cranes	1	4.00	350	0.29
Install TSP foundation	Forklifts	1	0.00	125	0.20
Install TSP foundation	Off-Highway Trucks	1	4.00	350	0.38
Install TSP foundation	Off-Highway Trucks	1	0.00	400	0.38
Install TSP foundation	Off-Highway Trucks	1	8.00	300	0.38
Install TSP foundation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
TSP Haul	Cranes	1	6.00	350	0.29
TSP Haul	Cranes	1	2.00	350	0.29
TSP Haul	Forklifts	1	6.00	125	0.20
TSP Haul	Graders	1	8.00	162	0.41
TSP Haul	Off-Highway Trucks	1	8.00	400	0.38
TSP Haul	Off-Highway Trucks	1	2.00	400	0.38
TSP Haul	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Casitas Civil	Bore/Drill Rigs	1	6.00	305	0.50
Casitas Civil	Cranes	1	4.00	180	0.29
Casitas Civil	Forklifts	1	2.00	75	0.20
Casitas Civil	Graders	1	0.00	162	0.41
Casitas Civil	Off-Highway Trucks	2	2.00	180	0.38
Casitas Civil	Off-Highway Trucks	1	6.00	180	0.38
Casitas Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37
Casitas Civil	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Install Conductor	Cranes	2	8.00	350	0.29
Install Conductor	Cranes	1	0.00	350	0.29
Install Conductor	Forklifts	1	0.00	125	0.20
Install Conductor	Graders	1	0.00	162	0.41
Install Conductor	Off-Highway Trucks	4	8.00	250	0.38
Install Conductor	Off-Highway Trucks	1	2.00	350	0.38

Install Conductor	Off-Highway Trucks	2	6.00	350	0.38
Install Conductor	Off-Highway Trucks	1	6.00	350	0.38
Install Conductor	Off-Highway Trucks	2	4.00	450	0.38
Install Conductor	Off-Highway Trucks	1	0.00	400	0.38
Install Conductor	Off-Highway Trucks	4	8.00	300	0.38
Install Conductor	Off-Highway Trucks	2	8.00	300	0.38
Install Conductor	Other Construction Equipment	1	6.00	300	0.42
Install Conductor	Other Construction Equipment	1	6.00	350	0.42
Install Conductor	Tractors/Loaders/Backhoes	1	2.00	125	0.37
TSP Assembly	Air Compressors	1	6.00	60	0.48
TSP Assembly	Cranes	1	8.00	350	0.29
TSP Assembly	Cranes	1	0.00	350	0.29
TSP Assembly	Forklifts	1	0.00	125	0.20
TSP Assembly	Graders	1	0.00	162	0.41
TSP Assembly	Off-Highway Trucks	2	4.00	300	0.38
TSP Assembly	Tractors/Loaders/Backhoes	1	0.00	75	0.37
TSP Erection	Air Compressors	1	4.00	60	0.48
TSP Erection	Cranes	1	0.00	350	0.29
TSP Erection	Cranes	1	8.00	350	0.29
TSP Erection	Forklifts	1	0.00	125	0.20
TSP Erection	Graders	1	0.00	162	0.41
TSP Erection	Off-Highway Trucks	2	4.00	300	0.38
TSP Erection	Off-Highway Trucks	1	0.00	400	0.38
TSP Erection	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Electrical	Aerial Lifts	2	6.00	75	0.31
Casitas Electrical	Cranes	1	4.00	180	0.29
Casitas Electrical	Forklifts	1	2.00	75	0.20
Casitas Electrical	Graders	1	0.00	162	0.41
Casitas Electrical	Off-Highway Trucks	1	2.00	180	0.38
Casitas Electrical	Off-Highway Trucks	1	2.00	180	0.38
Casitas Electrical	Off-Highway Trucks	2	2.00	180	0.38

Casitas Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LST Removal	Air Compressors	1	8.00	60	0.48
LST Removal	Cranes	1	6.00	215	0.29
LST Removal	Cranes	1	6.00	350	0.29
LST Removal	Cranes	1	0.00	350	0.29
LST Removal	Forklifts	1	0.00	125	0.20
LST Removal	Graders	1	0.00	162	0.41
LST Removal	Off-Highway Trucks	1	4.00	400	0.38
LST Removal	Off-Highway Trucks	1	0.00	400	0.38
LST Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LST Foundation Removal	Air Compressors	1	8.00	60	0.48
LST Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
LST Foundation Removal	Excavators	1	4.00	250	0.38
LST Foundation Removal	Off-Highway Trucks	1	6.00	350	0.38
LST Foundation Removal	Rubber Tired Dozers	1	0.00	358	0.40
LST Foundation Removal	Tractors/Loaders/Backhoes	1	6.00	125	0.37
Seg4 Remove Existing Conductor & GW	Concrete/Industrial Saws	0	8.00	81	0.73
Seg4 Remove Existing Conductor & GW	Cranes	2	8.00	350	0.29
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	4	4.00	300	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	4	8.00	250	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	2	4.00	300	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	1	6.00	350	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	2	4.00	450	0.38
Seg4 Remove Existing Conductor & GW	Other General Industrial Equipment	1	6.00	350	0.34
Seg4 Remove Existing Conductor & GW	Other General Industrial Equipment	1	6.00	300	0.34
Seg4 Remove Existing Conductor & GW	Rubber Tired Dozers	0	1.00	255	0.40
Seg4 Remove Existing Conductor & GW	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site 132 Brushing, Roads & Landing Work	Graders	0	8.00	174	0.41
Site 132 Brushing, Roads & Landing Work	Off-Highway Trucks	1	6.00	300	0.38
Site 132 Brushing, Roads & Landing Work	Off-Highway Trucks	1	8.00	300	0.38
Site 132 Brushing, Roads & Landing Work	Other Construction Equipment	1	8.00	50	0.42

Site 132 Brushing, Roads & Landing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Mark					
Site 128 Brushing, Roads & Landing	Excavators	2	3.00	70	0.38
Mark					
Site 128 Brushing, Roads & Landing	Graders	0	8.00	174	0.41
Mark					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	2	6.00	300	0.38
Mark					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	6.00	350	0.38
Mark					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	8.00	300	0.38
Mark					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	4.00	450	0.38
Mark					
Site 128 Brushing, Roads & Landing	Other Construction Equipment	1	4.00	110	0.42
Mark					
Site 128 Brushing, Roads & Landing	Other Construction Equipment	1	8.00	50	0.42
Mark					
Site 128 Brushing, Roads & Landing	Rubber Tired Loaders	1	6.00	150	0.36
Mark					
Site 128 Brushing, Roads & Landing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Mark					
Site 99 Install J-Tower Foundations	Excavators	1	3.00	70	0.38
Site 99 Install J-Tower Foundations	Graders	0	8.00	174	0.41
Site 99 Install J-Tower Foundations	Off-Highway Trucks	2	8.00	300	0.38
Site 99 Install J-Tower Foundations	Off-Highway Trucks	1	8.00	350	0.38
Site 99 Install J-Tower Foundations	Off-Highway Trucks	3	2.00	350	0.38
Site 99 Install J-Tower Foundations	Rubber Tired Loaders	2	6.00	250	0.36
Site 99 Install J-Tower Foundations	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 97 Install J-Tower Footings	Air Compressors	1	6.00	60	0.48
Site 97 Install J-Tower Footings	Excavators	1	6.00	70	0.38
Site 97 Install J-Tower Footings	Forklifts	1	7.00	125	0.20
Site 97 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 97 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	6.00	300	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	2.00	350	0.38
Site 97 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 97 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 LST Removal	Air Compressors	1	8.00	60	0.48
Site 132 LST Removal	Graders	0	8.00	174	0.41

Site 132 LST Removal	Off-Highway Trucks	1	8.00	300	0.38
Site 132 LST Removal	Off-Highway Trucks	1	4.00	350	0.38
Site 132 LST Removal	Off-Highway Trucks	1	4.00	400	0.38
Site 132 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 99 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 99 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 99 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 99 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 97 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 97 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 97 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 97 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	400	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	2	8.00	300	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	3	3.00	350	0.38
Site 132 Install J-Tower Footings	Rubber Tired Loaders	2	6.00	250	0.36
Site 132 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 LST Removal	Air Compressors	1	8.00	60	0.48
Site 128 LST Removal	Graders	0	8.00	174	0.41
Site 128 LST Removal	Off-Highway Trucks	1	8.00	300	0.38
Site 128 LST Removal	Off-Highway Trucks	1	4.00	350	0.38
Site 128 LST Removal	Off-Highway Trucks	1	4.00	400	0.38

Site 128 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Wood Pole Removal	Air Compressors	1	5.00	60	0.48
Wood Pole Removal	Cranes	1	9.00	350	0.29
Wood Pole Removal	Cranes	1	0.00	350	0.29
Wood Pole Removal	Forklifts	1	0.00	125	0.20
Wood Pole Removal	Graders	1	0.00	162	0.41
Wood Pole Removal	Off-Highway Trucks	1	9.00	250	0.38
Wood Pole Removal	Off-Highway Trucks	2	9.00	300	0.38
Wood Pole Removal	Off-Highway Trucks	1	9.00	400	0.38
Wood Pole Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Seg 4 LST Removal	Air Compressors	1	8.00	60	0.48
Seg 4 LST Removal	Cranes	1	6.00	215	0.29
Seg 4 LST Removal	Cranes	1	6.00	350	0.29
Seg 4 LST Removal	Graders	0	8.00	174	0.41
Seg 4 LST Removal	Off-Highway Trucks	1	4.00	400	0.38
Seg 4 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 Install J-Tower Footings	Excavators	1	3.00	70	0.38
Site 128 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	6.00	400	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	8.00	300	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	2.00	350	0.38
Site 128 Install J-Tower Footings	Rubber Tired Loaders	1	6.00	250	0.36
Site 128 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 132 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 132 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38

Site 132 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 128 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 128 J-Tower Assembly & Erection	Graders	1	8.00	174	0.41
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 128 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Seg 4 LST Foundation Removal	Air Compressors	1	8.00	60	0.48
Seg 4 LST Foundation Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Seg 4 LST Foundation Removal	Excavators	1	4.00	250	0.38
Seg 4 LST Foundation Removal	Off-Highway Trucks	1	6.00	350	0.38
Seg 4 LST Foundation Removal	Rubber Tired Dozers	0	1.00	255	0.40
Seg 4 LST Foundation Removal	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Seg 4 LST Foundation Removal	Tractors/Loaders/Backhoes	1	6.00	125	0.37
Santa Clara Maintenance	Graders	1	0.00	162	0.41
Santa Clara Maintenance	Off-Highway Trucks	1	6.00	180	0.38
Santa Clara Maintenance	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Maintenace	Graders	1	8.00	162	0.41
Casitas Maintenace	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Carpinteria Maintenance	Graders	1	0.00	162	0.41
Carpinteria Maintenance	Off-Highway Trucks	1	6.00	180	0.38
Carpinteria Maintenance	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Test	Graders	1	0.00	162	0.41
Casitas Test	Off-Highway Trucks	1	2.00	180	0.38
Casitas Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Test	Graders	1	0.00	162	0.41
Santa Clara Test	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Carpinteria Test	Graders	1	0.00	162	0.41
Carpinteria Test	Off-Highway Trucks	1	2.00	180	0.38

Carpinteria Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Golita Electrical	Graders	1	0.00	162	0.41
Golita Electrical	Off-Highway Trucks	1	2.00	180	0.38
Golita Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Barbara Electrical	Graders	1	0.00	162	0.41
Santa Barbara Electrical	Off-Highway Trucks	1	2.00	180	0.38
Santa Barbara Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Golita Test	Graders	1	0.00	162	0.41
Golita Test	Off-Highway Trucks	1	2.00	180	0.38
Golita Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Barbara Test	Graders	1	0.00	162	0.41
Santa Barbara Test	Off-Highway Trucks	1	2.00	180	0.38
Santa Barbara Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Ortega Electrical	Graders	1	0.00	162	0.41
Ortega Electrical	Off-Highway Trucks	1	2.00	180	0.38
Ortega Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Ortega Test	Graders	1	0.00	162	0.41
Ortega Test	Off-Highway Trucks	1	2.00	180	0.38
Ortega Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LWS Pole Haul	Cranes	1	0.00	350	0.29
LWS Pole Haul	Cranes	1	6.00	350	0.29
LWS Pole Haul	Forklifts	1	0.00	125	0.20
LWS Pole Haul	Graders	1	0.00	162	0.41
LWS Pole Haul	Off-Highway Trucks	1	8.00	400	0.38
LWS Pole Haul	Off-Highway Trucks	1	0.00	400	0.38
LWS Pole Haul	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LWS Pole Assembly	Air Compressors	1	4.00	60	0.48
LWS Pole Assembly	Cranes	1	8.00	350	0.29
LWS Pole Assembly	Cranes	1	2.00	350	0.29
LWS Pole Assembly	Forklifts	1	6.00	125	0.20
LWS Pole Assembly	Graders	1	8.00	162	0.41

LWS Pole Assembly	Off-Highway Trucks	1	2.00	400	0.38
LWS Pole Assembly	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Instal LWS Pole	Bore/Drill Rigs	1	4.00	210	0.50
Instal LWS Pole	Cranes	1	6.00	350	0.29
Instal LWS Pole	Cranes	1	0.00	350	0.29
Instal LWS Pole	Forklifts	1	6.00	125	0.20
Instal LWS Pole	Graders	1	0.00	162	0.41
Instal LWS Pole	Off-Highway Trucks	1	6.00	250	0.38
Instal LWS Pole	Off-Highway Trucks	1	8.00	400	0.38
Instal LWS Pole	Off-Highway Trucks	1	0.00	400	0.38
Instal LWS Pole	Tractors/Loaders/Backhoes	1	0.00	125	0.37
Install PRGW&FRC	Cranes	1	8.00	350	0.29
Install PRGW&FRC	Cranes	1	0.00	350	0.29
Install PRGW&FRC	Forklifts	1	0.00	125	0.20
Install PRGW&FRC	Graders	1	0.00	162	0.41
Install PRGW&FRC	Off-Highway Trucks	4	8.00	250	0.38
Install PRGW&FRC	Off-Highway Trucks	1	2.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	2	6.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	1	6.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	2	4.00	450	0.38
Install PRGW&FRC	Off-Highway Trucks	1	0.00	400	0.38
Install PRGW&FRC	Off-Highway Trucks	3	8.00	300	0.38
Install PRGW&FRC	Off-Highway Trucks	2	8.00	300	0.38
Install PRGW&FRC	Other Construction Equipment	1	6.00	300	0.42
Install PRGW&FRC	Other Construction Equipment	1	6.00	350	0.42
Install PRGW&FRC	Tractors/Loaders/Backhoes	1	2.00	125	0.37
Guard Structure Removal	Air Compressors	1	4.00	60	0.48
Guard Structure Removal	Bore/Drill Rigs	1	0.00	210	0.50
Guard Structure Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Guard Structure Removal	Cranes	2	0.00	350	0.29
Guard Structure Removal	Cranes	1	6.00	350	0.29

Guard Structure Removal	Forklifts	1	0.00	125	0.20
Guard Structure Removal	Off-Highway Trucks	1	4.00	250	0.38
Guard Structure Removal	Off-Highway Trucks	1	0.00	350	0.38
Guard Structure Removal	Off-Highway Trucks	1	8.00	400	0.38
Guard Structure Removal	Off-Highway Trucks	4	0.00	300	0.38
Guard Structure Removal	Rubber Tired Dozers	1	0.00	358	0.40
Guard Structure Removal	Tractors/Loaders/Backhoes	2	0.00	75	0.37
Duct Bank Installation	Air Compressors	1	4.00	60	0.48
Duct Bank Installation	Cement and Mortar Mixers	3	2.00	350	0.56
Duct Bank Installation	Graders	1	0.00	162	0.41
Duct Bank Installation	Off-Highway Trucks	2	4.00	300	0.38
Duct Bank Installation	Off-Highway Trucks	2	6.00	350	0.38
Duct Bank Installation	Off-Highway Trucks	1	6.00	275	0.38
Duct Bank Installation	Off-Highway Trucks	1	8.00	300	0.38
Duct Bank Installation	Off-Highway Trucks	1	4.00	450	0.38
Duct Bank Installation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
UG Cable Installation	Cranes	1	6.00	350	0.29
UG Cable Installation	Graders	1	8.00	162	0.41
UG Cable Installation	Off-Highway Trucks	1	6.00	250	0.38
UG Cable Installation	Off-Highway Trucks	2	6.00	350	0.38
UG Cable Installation	Off-Highway Trucks	1	6.00	350	0.38
UG Cable Installation	Other Construction Equipment	1	6.00	300	0.42
UG Cable Installation	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Restoration	Cranes	1	0.00	350	0.29
Restoration	Forklifts	1	0.00	125	0.20
Restoration	Graders	1	6.00	250	0.41
Restoration	Off-Highway Trucks	1	8.00	300	0.38
Restoration	Off-Highway Trucks	1	4.00	459	0.38
Restoration	Plate Compactors	1	4.00	100	0.43
Restoration	Plate Compactors	1	4.00	100	0.43
Restoration	Tractors/Loaders/Backhoes	1	4.00	125	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Carpinteria Material Yards	7	34.00	5.00	448.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Y Material Yard	6	28.00	5.00	58.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150A Material Yard	7	26.00	5.00	42.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150B Material Yard	4	22.00	5.00	22.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150C Material Yard	4	22.00	5.00	18.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150D Material Yard	6	26.00	5.00	56.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Santa Ana Material Yard	6	26.00	5.00	48.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Survey	3	8.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Material Staging Yards	7	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Tree Trimming	5	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
R/W Clearing	10	10.00	0.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Retaining Wall Structures	28	60.00	5.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Carpinteria Civil	10	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Civil	6	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Roads and Landing Work	15	10.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Guard Structure Installation	11	12.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Carpinteria Electrical	11	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Electrical	9	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Remove Existing Conductor	20	40.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Install TSP foundation	11	12.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Haul	7	8.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Casitas Civil	10	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Install Conductor	25	40.00	3.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
TSP Assembly	8	16.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Erection	9	16.00	4.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Casitas Electrical	10	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
LST Removal	9	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

LST Foundation Removal	6	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Seg4 Remove Existing Conductor & GW	17	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site 132 Brushing, Roads & Landing Work	3	10.00	1.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 Brushing, Roads & Landing Work	10	10.00	1.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 99 Install J-Tower Foundations	9	16.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 97 Install J-Tower Footings	7	16.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Site 99 J-Tower Assembly & Erection	6	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 97 J-Tower Assembly & Erection	6	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 Install J-Tower Footings	10	12.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Wood Pole Removal	10	12.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Seg 4 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Site 128 Install J-Tower Footings	6	12.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 J-Tower Assembly & Erection	7	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 J-Tower Assembly & Erection	8	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Seg 4 LST Foundation Removal	4	8.00	1.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Santa Clara Maintenance	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Casitas Maintenance	2	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Carpinteria Maintenance	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Casitas Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Carpinteria Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Golita Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Barbara Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Golita Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Barbara Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Ortega Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Ortega Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
LWS Pole Haul	7	8.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
LWS Pole Assembly	7	16.00	4.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

Instal LWS Pole	9	12.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Install PRGW&FRC	23	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Guard Structure Removal	17	12.00	2.00	59.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Duct Bank Installation	13	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
UG Cable Installation	8	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Restoration	8	14.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Carpinteria Material Yards - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0468	0.0000	0.0468	0.0237	0.0000	0.0237			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.3085				0.0129	0.0129		0.0118	0.0118			25.3444	7.5700e-003	0.0000	25.5033
Total	0.0254	0.3085			0.0468	0.0129	0.0597	0.0237	0.0118	0.0355			25.3444	7.5700e-003	0.0000	25.5033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5500e-003	0.0793			0.6069	1.3200e-003	0.6082	0.0612	1.2100e-003	0.0624			14.9262	1.1000e-004	0.0000	14.9286
Vendor	4.5000e-004	6.8500e-003			0.2833	1.6000e-004	0.2835	0.0284	1.5000e-004	0.0285			1.3948	1.0000e-005	0.0000	1.3950
Worker	9.3000e-004	1.1200e-003			0.3479	2.0000e-005	0.3480	0.0350	1.0000e-005	0.0350			1.7572	1.0000e-004	0.0000	1.7592
Total	5.9300e-003	0.0873			1.2382	1.5000e-003	1.2397	0.1246	1.3700e-003	0.1259			18.0783	2.2000e-004	0.0000	18.0828

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0179	0.0000	0.0179	9.0600e-003	0.0000	9.0600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0254	0.3085				0.0129	0.0129		0.0118	0.0118			25.3444	7.5700e-003	0.0000	25.5033
Total	0.0254	0.3085			0.0179	0.0129	0.0308	9.0600e-003	0.0118	0.0209			25.3444	7.5700e-003	0.0000	25.5033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5500e-003	0.0793			0.1694	1.3200e-003	0.1707	0.0174	1.2100e-003	0.0187			14.9262	1.1000e-004	0.0000	14.9286
Vendor	4.5000e-004	6.8500e-003			0.0784	1.6000e-004	0.0785	7.9100e-003	1.5000e-004	8.0600e-003			1.3948	1.0000e-005	0.0000	1.3950
Worker	9.3000e-004	1.1200e-003			0.0969	2.0000e-005	0.0969	9.9100e-003	1.0000e-005	9.9300e-003			1.7572	1.0000e-004	0.0000	1.7592
Total	5.9300e-003	0.0873			0.3446	1.5000e-003	0.3461	0.0353	1.3700e-003	0.0366			18.0783	2.2000e-004	0.0000	18.0828

3.3 Y Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1800e-003	0.0000	2.1800e-003	9.0000e-004	0.0000	9.0000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0226				9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004			2.1507	6.4000e-004	0.0000	2.1642
Total	1.9100e-003	0.0226			2.1800e-003	9.3000e-004	3.1100e-003	9.0000e-004	8.6000e-004	1.7600e-003			2.1507	6.4000e-004	0.0000	2.1642

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.9000e-004	0.0103			0.0786	1.7000e-004	0.0787	7.9200e-003	1.6000e-004	8.0800e-003			1.9324	1.0000e-005	0.0000	1.9327
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.2000e-004	2.6000e-004			0.0819	0.0000	0.0819	8.2400e-003	0.0000	8.2400e-003			0.4135	2.0000e-005	0.0000	0.4139
Total	9.4000e-004	0.0125			0.2414	2.2000e-004	0.2416	0.0243	2.0000e-004	0.0245			2.7444	3.0000e-005	0.0000	2.7452

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3000e-004	0.0000	8.3000e-004	3.4000e-004	0.0000	3.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0226				9.3000e-004	9.3000e-004		8.6000e-004	8.6000e-004			2.1507	6.4000e-004	0.0000	2.1642
Total	1.9100e-003	0.0226			8.3000e-004	9.3000e-004	1.7600e-003	3.4000e-004	8.6000e-004	1.2000e-003			2.1507	6.4000e-004	0.0000	2.1642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.9000e-004	0.0103			0.0219	1.7000e-004	0.0221	2.2600e-003	1.6000e-004	2.4100e-003			1.9324	1.0000e-005	0.0000	1.9327
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.2000e-004	2.6000e-004			0.0228	0.0000	0.0228	2.3300e-003	0.0000	2.3400e-003			0.4135	2.0000e-005	0.0000	0.4139
Total	9.4000e-004	0.0125			0.0671	2.2000e-004	0.0673	6.8500e-003	2.0000e-004	7.0500e-003			2.7444	3.0000e-005	0.0000	2.7452

3.4 Hwy 150A Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9800e-003	0.0000	1.9800e-003	8.8000e-004	0.0000	8.8000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0397				1.5100e-003	1.5100e-003		1.3900e-003	1.3900e-003			3.6164	1.0800e-003	0.0000	3.6390
Total	3.1900e-003	0.0397			1.9800e-003	1.5100e-003	3.4900e-003	8.8000e-004	1.3900e-003	2.2700e-003			3.6164	1.0800e-003	0.0000	3.639

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	7.4300e-003			0.0569	1.2000e-004	0.0570	5.7400e-003	1.1000e-004	5.8500e-003			1.3993	1.0000e-005	0.0000	1.3996
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0760	0.0000	0.0760	7.6500e-003	0.0000	7.6500e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	7.6000e-004	9.6400e-003			0.2139	1.7000e-004	0.2140	0.0215	1.5000e-004	0.0217			2.1818	3.0000e-005	0.0000	2.1825

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6000e-004	0.0000	7.6000e-004	3.4000e-004	0.0000	3.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0397				1.5100e-003	1.5100e-003		1.3900e-003	1.3900e-003			3.6164	1.0800e-003	0.0000	3.6390
Total	3.1900e-003	0.0397			7.6000e-004	1.5100e-003	2.2700e-003	3.4000e-004	1.3900e-003	1.7300e-003			3.6164	1.0800e-003	0.0000	3.639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.3000e-004	7.4300e-003			0.0159	1.2000e-004	0.0160	1.6300e-003	1.1000e-004	1.7500e-003			1.3993	1.0000e-005	0.0000	1.3996
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0212	0.0000	0.0212	2.1700e-003	0.0000	2.1700e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	7.6000e-004	9.6400e-003			0.0594	1.7000e-004	0.0596	6.0600e-003	1.5000e-004	6.2200e-003			2.1818	3.0000e-005	0.0000	2.1825

3.5 Hwy 150B Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2700e-003	0.0000	3.2700e-003	1.6800e-003	0.0000	1.6800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0158				7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004			1.3561	4.0000e-004	0.0000	1.3646
Total	1.4000e-003	0.0158			3.2700e-003	7.4000e-004	4.0100e-003	1.6800e-003	6.8000e-004	2.3600e-003			1.3561	4.0000e-004	0.0000	1.3646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	3.8900e-003			0.0298	6.0000e-005	0.0299	3.0000e-003	6.0000e-005	3.0600e-003			0.7330	1.0000e-005	0.0000	0.7331
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	1.7000e-004	2.1000e-004			0.0643	0.0000	0.0643	6.4700e-003	0.0000	6.4800e-003			0.3249	2.0000e-005	0.0000	0.3252
Total	5.2000e-004	6.0600e-003			0.1751	1.1000e-004	0.1752	0.0176	1.0000e-004	0.0177			1.4564	3.0000e-005	0.0000	1.4569

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2500e-003	0.0000	1.2500e-003	6.4000e-004	0.0000	6.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0158				7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004			1.3561	4.0000e-004	0.0000	1.3646
Total	1.4000e-003	0.0158			1.2500e-003	7.4000e-004	1.9900e-003	6.4000e-004	6.8000e-004	1.3200e-003			1.3561	4.0000e-004	0.0000	1.3646

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.2000e-004	3.8900e-003			8.3200e-003	6.0000e-005	8.3800e-003	8.6000e-004	6.0000e-005	9.2000e-004			0.7330	1.0000e-005	0.0000	0.7331
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	1.7000e-004	2.1000e-004			0.0179	0.0000	0.0179	1.8300e-003	0.0000	1.8400e-003			0.3249	2.0000e-005	0.0000	0.3252
Total	5.2000e-004	6.0600e-003			0.0486	1.1000e-004	0.0487	4.9500e-003	1.0000e-004	5.0600e-003			1.4564	3.0000e-005	0.0000	1.4569

3.6 Hwy 150C Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.2100e-003	0.0000	3.2100e-003	1.6800e-003	0.0000	1.6800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0158				7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004			1.3561	4.0000e-004	0.0000	1.3646
Total	1.4000e-003	0.0158			3.2100e-003	7.4000e-004	3.9500e-003	1.6800e-003	6.8000e-004	2.3600e-003			1.3561	4.0000e-004	0.0000	1.3646

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	3.1900e-003			0.0244	5.0000e-005	0.0244	2.4600e-003	5.0000e-005	2.5100e-003			0.5997	0.0000	0.0000	0.5998
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	1.7000e-004	2.1000e-004			0.0643	0.0000	0.0643	6.4700e-003	0.0000	6.4800e-003			0.3249	2.0000e-005	0.0000	0.3252
Total	4.8000e-004	5.3600e-003			0.1697	1.0000e-004	0.1698	0.0170	9.0000e-005	0.0171			1.3231	2.0000e-005	0.0000	1.3236

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.2300e-003	0.0000	1.2300e-003	6.4000e-004	0.0000	6.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0158				7.4000e-004	7.4000e-004		6.8000e-004	6.8000e-004			1.3561	4.0000e-004	0.0000	1.3646
Total	1.4000e-003	0.0158			1.2300e-003	7.4000e-004	1.9700e-003	6.4000e-004	6.8000e-004	1.3200e-003			1.3561	4.0000e-004	0.0000	1.3646

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	3.1900e-003			6.8000e-003	5.0000e-005	6.8600e-003	7.0000e-004	5.0000e-005	7.5000e-004			0.5997	0.0000	0.0000	0.5998
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	1.7000e-004	2.1000e-004			0.0179	0.0000	0.0179	1.8300e-003	0.0000	1.8400e-003			0.3249	2.0000e-005	0.0000	0.3252
Total	4.8000e-004	5.3600e-003			0.0471	1.0000e-004	0.0472	4.7900e-003	9.0000e-005	4.8900e-003			1.3231	2.0000e-005	0.0000	1.3236

3.7 Hwy 150D Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0127	0.0000	0.0127	6.6900e-003	0.0000	6.6900e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9600e-003	0.0711				3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003			5.7756	1.7200e-003	0.0000	5.8118
Total	5.9600e-003	0.0711			0.0127	3.0900e-003	0.0158	6.6900e-003	2.8400e-003	9.5300e-003			5.7756	1.7200e-003	0.0000	5.8118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	9.9100e-003			0.0759	1.6000e-004	0.0760	7.6500e-003	1.5000e-004	7.8000e-003			1.8658	1.0000e-005	0.0000	1.8661
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0760	0.0000	0.0760	7.6500e-003	0.0000	7.6500e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	9.0000e-004	0.0121			0.2328	2.1000e-004	0.2331	0.0234	1.9000e-004	0.0236			2.6482	3.0000e-005	0.0000	2.649

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8500e-003	0.0000	4.8500e-003	2.5600e-003	0.0000	2.5600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9600e-003	0.0711				3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003			5.7756	1.7200e-003	0.0000	5.8118
Total	5.9600e-003	0.0711			4.8500e-003	3.0900e-003	7.9400e-003	2.5600e-003	2.8400e-003	5.4000e-003			5.7756	1.7200e-003	0.0000	5.8118

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.7000e-004	9.9100e-003			0.0212	1.6000e-004	0.0213	2.1800e-003	1.5000e-004	2.3300e-003			1.8658	1.0000e-005	0.0000	1.8661
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0212	0.0000	0.0212	2.1700e-003	0.0000	2.1700e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	9.0000e-004	0.0121			0.0647	2.1000e-004	0.0649	6.6100e-003	1.9000e-004	6.8000e-003			2.6482	3.0000e-005	0.0000	2.649

3.8 Santa Ana Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0126	0.0000	0.0126	6.6800e-003	0.0000	6.6800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9600e-003	0.0711				3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003			5.7756	1.7200e-003	0.0000	5.8118
Total	5.9600e-003	0.0711			0.0126	3.0900e-003	0.0157	6.6800e-003	2.8400e-003	9.5200e-003			5.7756	1.7200e-003	0.0000	5.8118

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	8.4900e-003			0.0650	1.4000e-004	0.0652	6.5500e-003	1.3000e-004	6.6800e-003			1.5992	1.0000e-005	0.0000	1.5995
Vendor	1.3000e-004	1.9600e-003			0.0810	5.0000e-005	0.0810	8.1100e-003	4.0000e-005	8.1500e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0760	0.0000	0.0760	7.6500e-003	0.0000	7.6500e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	8.2000e-004	0.0107			0.2220	1.9000e-004	0.2222	0.0223	1.7000e-004	0.0225			2.3817	3.0000e-005	0.0000	2.3824

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	2.5600e-003	0.0000	2.5600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.9600e-003	0.0711				3.0900e-003	3.0900e-003		2.8400e-003	2.8400e-003			5.7756	1.7200e-003	0.0000	5.8118
Total	5.9600e-003	0.0711			4.8200e-003	3.0900e-003	7.9100e-003	2.5600e-003	2.8400e-003	5.4000e-003			5.7756	1.7200e-003	0.0000	5.8118

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.9000e-004	8.4900e-003			0.0182	1.4000e-004	0.0183	1.8700e-003	1.3000e-004	2.0000e-003			1.5992	1.0000e-005	0.0000	1.5995
Vendor	1.3000e-004	1.9600e-003			0.0224	5.0000e-005	0.0224	2.2600e-003	4.0000e-005	2.3000e-003			0.3985	0.0000	0.0000	0.3986
Worker	2.0000e-004	2.5000e-004			0.0212	0.0000	0.0212	2.1700e-003	0.0000	2.1700e-003			0.3839	2.0000e-005	0.0000	0.3844
Total	8.2000e-004	0.0107			0.0617	1.9000e-004	0.0619	6.3000e-003	1.7000e-004	6.4700e-003			2.3817	3.0000e-005	0.0000	2.3824

3.9 Survey - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.5100e-003	0.0000	4.5100e-003	4.9000e-004	0.0000	4.9000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			4.5100e-003	0.0000	4.5100e-003	4.9000e-004	0.0000	4.9000e-004			0.0000	0.0000	0.0000	0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-004	6.2900e-003			0.2752	1.6000e-004	0.2754	0.0276	1.4000e-004	0.0277			1.3291	1.0000e-005	0.0000	1.3293
Worker	2.7000e-004	3.2000e-004			0.0994	0.0000	0.0994	0.0100	0.0000	0.0100			0.5021	3.0000e-005	0.0000	0.5026
Total	6.1000e-004	6.6100e-003			0.3746	1.6000e-004	0.3748	0.0376	1.4000e-004	0.0377			1.8312	4.0000e-005	0.0000	1.8319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.7200e-003	0.0000	1.7200e-003	1.9000e-004	0.0000	1.9000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			1.7200e-003	0.0000	1.7200e-003	1.9000e-004	0.0000	1.9000e-004			0.0000	0.0000	0.0000	0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.4000e-004	6.2900e-003			0.0761	1.6000e-004	0.0763	7.6800e-003	1.4000e-004	7.8200e-003			1.3291	1.0000e-005	0.0000	1.3293
Worker	2.7000e-004	3.2000e-004			0.0277	0.0000	0.0277	2.8300e-003	0.0000	2.8400e-003			0.5021	3.0000e-005	0.0000	0.5026
Total	6.1000e-004	6.6100e-003			0.1038	1.6000e-004	0.1040	0.0105	1.4000e-004	0.0107			1.8312	4.0000e-005	0.0000	1.8319

3.10 Material Staging Yards - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0318	0.0000	0.0318	3.4400e-003	0.0000	3.4400e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2198	2.5967				0.1043	0.1043		0.0959	0.0959			252.4007	0.0754	0.0000	253.9831
Total	0.2198	2.5967			0.0318	0.1043	0.1361	3.4400e-003	0.0959	0.0994			252.4007	0.0754	0.0000	253.9831

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.7800e-003	4.5700e-003			1.4151	6.0000e-005	1.4152	0.1424	6.0000e-005	0.1425			7.1470	3.9000e-004	0.0000	7.1551
Total	3.7800e-003	4.5700e-003			1.4151	6.0000e-005	1.4152	0.1424	6.0000e-005	0.1425			7.1470	3.9000e-004	0.0000	7.1551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0122	0.0000	0.0122	1.3100e-003	0.0000	1.3100e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2198	2.5967				0.1043	0.1043		0.0959	0.0959			252.4004	0.0754	0.0000	253.9828
Total	0.2198	2.5967			0.0122	0.1043	0.1164	1.3100e-003	0.0959	0.0972			252.4004	0.0754	0.0000	253.9828

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.7800e-003	4.5700e-003			0.3941	6.0000e-005	0.3942	0.0403	6.0000e-005	0.0404			7.1470	3.9000e-004	0.0000	7.1551
Total	3.7800e-003	4.5700e-003			0.3941	6.0000e-005	0.3942	0.0403	6.0000e-005	0.0404			7.1470	3.9000e-004	0.0000	7.1551

3.10 Material Staging Yards - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0318	0.0000	0.0318	3.4400e-003	0.0000	3.4400e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1377	1.5944				0.0635	0.0635		0.0584	0.0584			170.1402	0.0513	0.0000	171.2180
Total	0.1377	1.5944			0.0318	0.0635	0.0953	3.4400e-003	0.0584	0.0619			170.1402	0.0513	0.0000	171.218

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.3300e-003	2.8000e-003			0.9649	4.0000e-005	0.9649	0.0971	4.0000e-005	0.0971			4.7004	2.4000e-004	0.0000	4.7055
Total	2.3300e-003	2.8000e-003			0.9649	4.0000e-005	0.9649	0.0971	4.0000e-005	0.0971			4.7004	2.4000e-004	0.0000	4.7055

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0122	0.0000	0.0122	1.3100e-003	0.0000	1.3100e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1377	1.5944				0.0635	0.0635		0.0584	0.0584			170.1400	0.0513	0.0000	171.2178
Total	0.1377	1.5944			0.0122	0.0635	0.0757	1.3100e-003	0.0584	0.0597			170.1400	0.0513	0.0000	171.2178

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.3300e-003	2.8000e-003			0.2687	4.0000e-005	0.2687	0.0275	4.0000e-005	0.0275			4.7004	2.4000e-004	0.0000	4.7055
Total	2.3300e-003	2.8000e-003			0.2687	4.0000e-005	0.2687	0.0275	4.0000e-005	0.0275			4.7004	2.4000e-004	0.0000	4.7055

3.11 Tree Trimming - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7100e-003	0.0000	3.7100e-003	4.0000e-004	0.0000	4.0000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1503				6.0800e-003	6.0800e-003		5.5900e-003	5.5900e-003			15.4715	4.6200e-003	0.0000	15.5685
Total	0.0138	0.1503			3.7100e-003	6.0800e-003	9.7900e-003	4.0000e-004	5.5900e-003	5.9900e-003			15.4715	4.6200e-003	0.0000	15.5685

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	2.0000e-004			0.0614	0.0000	0.0614	6.1800e-003	0.0000	6.1800e-003			0.3101	2.0000e-005	0.0000	0.3105
Total	1.6000e-004	2.0000e-004			0.0614	0.0000	0.0614	6.1800e-003	0.0000	6.1800e-003			0.3101	2.0000e-005	0.0000	0.3105

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.4200e-003	0.0000	1.4200e-003	1.5000e-004	0.0000	1.5000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1503				6.0800e-003	6.0800e-003		5.5900e-003	5.5900e-003			15.4715	4.6200e-003	0.0000	15.5685
Total	0.0138	0.1503			1.4200e-003	6.0800e-003	7.5000e-003	1.5000e-004	5.5900e-003	5.7400e-003			15.4715	4.6200e-003	0.0000	15.5685

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	2.0000e-004			0.0171	0.0000	0.0171	1.7500e-003	0.0000	1.7500e-003			0.3101	2.0000e-005	0.0000	0.3105
Total	1.6000e-004	2.0000e-004			0.0171	0.0000	0.0171	1.7500e-003	0.0000	1.7500e-003			0.3101	2.0000e-005	0.0000	0.3105

3.12 R/W Clearing - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0239	0.0000	0.0239	2.5800e-003	0.0000	2.5800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0323	0.3931				0.0154	0.0154		0.0141	0.0141			38.4463	0.0115	0.0000	38.6873
Total	0.0323	0.3931			0.0239	0.0154	0.0392	2.5800e-003	0.0141	0.0167			38.4463	0.0115	0.0000	38.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	4.7000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7383	4.0000e-005	0.0000	0.7392
Total	3.9000e-004	4.7000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7383	4.0000e-005	0.0000	0.7392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.1300e-003	0.0000	9.1300e-003	9.9000e-004	0.0000	9.9000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0323	0.3931				0.0154	0.0154		0.0141	0.0141			38.4463	0.0115	0.0000	38.6873
Total	0.0323	0.3931			9.1300e-003	0.0154	0.0245	9.9000e-004	0.0141	0.0151			38.4463	0.0115	0.0000	38.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	4.7000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7383	4.0000e-005	0.0000	0.7392
Total	3.9000e-004	4.7000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7383	4.0000e-005	0.0000	0.7392

3.13 Retaining Wall Structures - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.2789	14.9169				0.6049	0.6049		0.5565	0.5565			1,526.1285	0.4556	0.0000	1,535.6963
Total	1.2789	14.9169			0.0000	0.6049	0.6049	0.0000	0.5565	0.5565			1,526.1285	0.4556	0.0000	1,535.70

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.2861			12.7498	7.1500e-003	12.7570	1.2769	6.5800e-003	1.2835			61.1702	3.7000e-004	0.0000	61.1780
Worker	0.0246	0.0298			9.2099	4.2000e-004	9.2104	0.9268	3.8000e-004	0.9271			46.5145	2.5200e-003	0.0000	46.5676
Total	0.0388	0.3158			21.9598	7.5700e-003	21.9673	2.2036	6.9600e-003	2.2106			107.6847	2.8900e-003	0.0000	107.7455

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.2789	14.9169				0.6049	0.6049		0.5565	0.5565			1,526.1267	0.4556	0.0000	1,535.6945
Total	1.2789	14.9169			0.0000	0.6049	0.6049	0.0000	0.5565	0.5565			1,526.1267	0.4556	0.0000	1,535.69

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0143	0.2861			3.5271	7.1500e-003	3.5342	0.3558	6.5800e-003	0.3624			61.1702	3.7000e-004	0.0000	61.1780
Worker	0.0246	0.0298			2.5648	4.2000e-004	2.5653	0.2624	3.8000e-004	0.2628			46.5145	2.5200e-003	0.0000	46.5676
Total	0.0388	0.3158			6.0919	7.5700e-003	6.0995	0.6183	6.9600e-003	0.6252			107.6847	2.8900e-003	0.0000	107.7455

3.13 Retaining Wall Structures - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0502	0.5732				0.0230	0.0230		0.0212	0.0212			64.6490	0.0195	0.0000	65.0585
Total	0.0502	0.5732			0.0000	0.0230	0.0230	0.0000	0.0212	0.0212			64.6490	0.0195	0.0000	65.0585

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0106			0.5464	2.7000e-004	0.5467	0.0547	2.5000e-004	0.0550			2.5974	1.0000e-005	0.0000	2.5977
Worker	9.5000e-004	1.1500e-003			0.3947	2.0000e-005	0.3947	0.0397	2.0000e-005	0.0397			1.9229	1.0000e-004	0.0000	1.9250
Total	1.4900e-003	0.0117			0.9411	2.9000e-004	0.9414	0.0944	2.7000e-004	0.0947			4.5203	1.1000e-004	0.0000	4.5227

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0502	0.5732				0.0230	0.0230		0.0212	0.0212			64.6489	0.0195	0.0000	65.0584
Total	0.0502	0.5732			0.0000	0.0230	0.0230	0.0000	0.0212	0.0212			64.6489	0.0195	0.0000	65.0584

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-004	0.0106			0.1512	2.7000e-004	0.1514	0.0153	2.5000e-004	0.0155			2.5974	1.0000e-005	0.0000	2.5977
Worker	9.5000e-004	1.1500e-003			0.1099	2.0000e-005	0.1099	0.0113	2.0000e-005	0.0113			1.9229	1.0000e-004	0.0000	1.9250
Total	1.4900e-003	0.0117			0.2611	2.9000e-004	0.2614	0.0265	2.7000e-004	0.0268			4.5203	1.1000e-004	0.0000	4.5227

3.14 Carpinteria Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781
Total	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	4.7000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7383	4.0000e-005	0.0000	0.7392
Total	3.9000e-004	4.7000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7383	4.0000e-005	0.0000	0.7392

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781
Total	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	4.7000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7383	4.0000e-005	0.0000	0.7392
Total	3.9000e-004	4.7000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7383	4.0000e-005	0.0000	0.7392

3.15 Santa Clara Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4400e-003	0.0676				3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003			5.8624	1.7500e-003	0.0000	5.8991
Total	6.4400e-003	0.0676				3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003			5.8624	1.7500e-003	0.0000	5.8991

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	2.8000e-004			0.0877	0.0000	0.0877	8.8300e-003	0.0000	8.8300e-003			0.4430	2.0000e-005	0.0000	0.4435
Total	2.3000e-004	2.8000e-004			0.0877	0.0000	0.0877	8.8300e-003	0.0000	8.8300e-003			0.4430	2.0000e-005	0.0000	0.4435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4400e-003	0.0676				3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003			5.8624	1.7500e-003	0.0000	5.8991
Total	6.4400e-003	0.0676				3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003			5.8624	1.7500e-003	0.0000	5.8991

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	2.8000e-004			0.0244	0.0000	0.0244	2.5000e-003	0.0000	2.5000e-003			0.4430	2.0000e-005	0.0000	0.4435
Total	2.3000e-004	2.8000e-004			0.0244	0.0000	0.0244	2.5000e-003	0.0000	2.5000e-003			0.4430	2.0000e-005	0.0000	0.4435

3.16 Roads and Landing Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0418	0.0000	0.0418	4.5100e-003	0.0000	4.5100e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0697	0.7760				0.0344	0.0344		0.0316	0.0316			73.2695	0.0219	0.0000	73.7289
Total	0.0697	0.7760			0.0418	0.0344	0.0761	4.5100e-003	0.0316	0.0361			73.2695	0.0219	0.0000	73.7289

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0101			0.4533	2.5000e-004	0.4536	0.0454	2.3000e-004	0.0456			2.1678	1.0000e-005	0.0000	2.1681
Worker	5.5000e-004	6.6000e-004			0.2047	1.0000e-005	0.2047	0.0206	1.0000e-005	0.0206			1.0337	6.0000e-005	0.0000	1.0348
Total	1.0300e-003	0.0107			0.6580	2.6000e-004	0.6583	0.0660	2.4000e-004	0.0662			3.2015	7.0000e-005	0.0000	3.203

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0160	0.0000	0.0160	1.7200e-003	0.0000	1.7200e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0697	0.7760				0.0344	0.0344		0.0316	0.0316			73.2694	0.0219	0.0000	73.7288
Total	0.0697	0.7760			0.0160	0.0344	0.0504	1.7200e-003	0.0316	0.0334			73.2694	0.0219	0.0000	73.7288

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.8000e-004	0.0101			0.1254	2.5000e-004	0.1257	0.0127	2.3000e-004	0.0129			2.1678	1.0000e-005	0.0000	2.1681
Worker	5.5000e-004	6.6000e-004			0.0570	1.0000e-005	0.0570	5.8300e-003	1.0000e-005	5.8400e-003			1.0337	6.0000e-005	0.0000	1.0348
Total	1.0300e-003	0.0107			0.1824	2.6000e-004	0.1827	0.0185	2.4000e-004	0.0187			3.2015	7.0000e-005	0.0000	3.203

3.17 Guard Structure Installation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0195	0.2295				9.2800e-003	9.2800e-003		8.5900e-003	8.5900e-003			22.5624	6.6000e-003	0.0000	22.7011
Total	0.0195	0.2295				9.2800e-003	9.2800e-003		8.5900e-003	8.5900e-003			22.5624	6.6000e-003	0.0000	22.7011

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.4000e-004	4.4400e-003			0.1943	1.1000e-004	0.1944	0.0195	1.0000e-004	0.0196			0.9382	1.0000e-005	0.0000	0.9383
Worker	2.8000e-004	3.4000e-004			0.1053	0.0000	0.1053	0.0106	0.0000	0.0106			0.5316	3.0000e-005	0.0000	0.5322
Total	5.2000e-004	4.7800e-003			0.2995	1.1000e-004	0.2997	0.0301	1.0000e-004	0.0302			1.4698	4.0000e-005	0.0000	1.4705

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0195	0.2295				9.2800e-003	9.2800e-003		8.5900e-003	8.5900e-003			22.5624	6.6000e-003	0.0000	22.7010
Total	0.0195	0.2295				9.2800e-003	9.2800e-003		8.5900e-003	8.5900e-003			22.5624	6.6000e-003	0.0000	22.7010

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.4000e-004	4.4400e-003			0.0538	1.1000e-004	0.0539	5.4200e-003	1.0000e-004	5.5200e-003			0.9382	1.0000e-005	0.0000	0.9383
Worker	2.8000e-004	3.4000e-004			0.0293	0.0000	0.0293	3.0000e-003	0.0000	3.0000e-003			0.5316	3.0000e-005	0.0000	0.5322
Total	5.2000e-004	4.7800e-003			0.0831	1.1000e-004	0.0832	8.4200e-003	1.0000e-004	8.5200e-003			1.4698	4.0000e-005	0.0000	1.4705

3.18 Carpinteria Electrical - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0990	1.1696				0.0535	0.0535		0.0492	0.0492			91.8970	0.0274	0.0000	92.4732
Total	0.0990	1.1696			0.0000	0.0535	0.0535	0.0000	0.0492	0.0492			91.8970	0.0274	0.0000	92.4732

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	6.2300e-003			1.9297	9.0000e-005	1.9298	0.1942	8.0000e-005	0.1943			9.7459	5.3000e-004	0.0000	9.7570
Total	5.1500e-003	6.2300e-003			1.9297	9.0000e-005	1.9298	0.1942	8.0000e-005	0.1943			9.7459	5.3000e-004	0.0000	9.757

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0990	1.1696				0.0535	0.0535		0.0492	0.0492			91.8969	0.0274	0.0000	92.4730
Total	0.0990	1.1696			0.0000	0.0535	0.0535	0.0000	0.0492	0.0492			91.8969	0.0274	0.0000	92.473

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.1500e-003	6.2300e-003			0.5374	9.0000e-005	0.5375	0.0550	8.0000e-005	0.0551			9.7459	5.3000e-004	0.0000	9.7570
Total	5.1500e-003	6.2300e-003			0.5374	9.0000e-005	0.5375	0.0550	8.0000e-005	0.0551			9.7459	5.3000e-004	0.0000	9.757

3.19 Santa Clara Electrical - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.4325				0.0200	0.0200		0.0184	0.0184			36.8847	0.0110	0.0000	37.1160
Total	0.0364	0.4325			0.0000	0.0200	0.0200	0.0000	0.0184	0.0184			36.8847	0.0110	0.0000	37.116

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	2.3100e-003			0.7163	3.0000e-005	0.7164	0.0721	3.0000e-005	0.0721			3.6178	2.0000e-004	0.0000	3.6219
Total	1.9100e-003	2.3100e-003			0.7163	3.0000e-005	0.7164	0.0721	3.0000e-005	0.0721			3.6178	2.0000e-004	0.0000	3.6219

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0364	0.4325				0.0200	0.0200		0.0184	0.0184			36.8847	0.0110	0.0000	37.1159
Total	0.0364	0.4325			0.0000	0.0200	0.0200	0.0000	0.0184	0.0184			36.8847	0.0110	0.0000	37.1159

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.9100e-003	2.3100e-003			0.1995	3.0000e-005	0.1995	0.0204	3.0000e-005	0.0204			3.6178	2.0000e-004	0.0000	3.6219
Total	1.9100e-003	2.3100e-003			0.1995	3.0000e-005	0.1995	0.0204	3.0000e-005	0.0204			3.6178	2.0000e-004	0.0000	3.6219

3.20 Remove Existing Conductor - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1542	1.8448				0.0741	0.0741		0.0682	0.0682			172.9099	0.0516	0.0000	173.9940
Total	0.1542	1.8448				0.0741	0.0741		0.0682	0.0682			172.9099	0.0516	0.0000	173.994

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.4000e-004	0.0119			0.5181	2.9000e-004	0.5184	0.0519	2.7000e-004	0.0522			2.5019	2.0000e-005	0.0000	2.5022
Worker	2.5000e-003	3.0200e-003			0.9356	4.0000e-005	0.9357	0.0942	4.0000e-005	0.0942			4.7253	2.6000e-004	0.0000	4.7307
Total	3.1400e-003	0.0149			1.4537	3.3000e-004	1.4540	0.1460	3.1000e-004	0.1463			7.2272	2.8000e-004	0.0000	7.2329

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1542	1.8448				0.0741	0.0741		0.0682	0.0682			172.9097	0.0516	0.0000	173.9937
Total	0.1542	1.8448				0.0741	0.0741		0.0682	0.0682			172.9097	0.0516	0.0000	173.9937

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.4000e-004	0.0119			0.1433	2.9000e-004	0.1436	0.0145	2.7000e-004	0.0147			2.5019	2.0000e-005	0.0000	2.5022
Worker	2.5000e-003	3.0200e-003			0.2606	4.0000e-005	0.2606	0.0267	4.0000e-005	0.0267			4.7253	2.6000e-004	0.0000	4.7307
Total	3.1400e-003	0.0149			0.4039	3.3000e-004	0.4042	0.0411	3.1000e-004	0.0414			7.2272	2.8000e-004	0.0000	7.2329

3.21 Install TSP foundation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1822	2.2040				0.0906	0.0906		0.0833	0.0833			217.5932	0.0650	0.0000	218.9574
Total	0.1822	2.2040				0.0906	0.0906		0.0833	0.0833			217.5932	0.0650	0.0000	218.9574

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-003	0.0608			2.7362	1.5300e-003	2.7377	0.2740	1.4100e-003	0.2754			13.0845	8.0000e-005	0.0000	13.0862
Worker	3.9600e-003	4.7900e-003			1.4824	7.0000e-005	1.4824	0.1492	6.0000e-005	0.1492			7.4866	4.1000e-004	0.0000	7.4952
Total	6.8600e-003	0.0656			4.2185	1.6000e-003	4.2201	0.4232	1.4700e-003	0.4247			20.5711	4.9000e-004	0.0000	20.5813

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1822	2.2040				0.0906	0.0906		0.0833	0.0833			217.5929	0.0650	0.0000	218.9571
Total	0.1822	2.2040				0.0906	0.0906		0.0833	0.0833			217.5929	0.0650	0.0000	218.9571

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.9000e-003	0.0608			0.7569	1.5300e-003	0.7585	0.0764	1.4100e-003	0.0778			13.0845	8.0000e-005	0.0000	13.0862

Worker	3.9600e-003	4.7900e-003			0.4128	7.0000e-005	0.4129	0.0422	6.0000e-005	0.0423			7.4866	4.1000e-004	0.0000	7.4952
Total	6.8600e-003	0.0656			1.1697	1.6000e-003	1.1713	0.1186	1.4700e-003	0.1201			20.5711	4.9000e-004	0.0000	20.5813

3.22 TSP Haul - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0119	0.0000	0.0119	1.2900e-003	0.0000	1.2900e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0808	0.9211				0.0432	0.0432		0.0398	0.0398			75.0704	0.0224	0.0000	75.5410
Total	0.0808	0.9211			0.0119	0.0432	0.0551	1.2900e-003	0.0398	0.0410			75.0704	0.0224	0.0000	75.541

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0162			0.7286	4.1000e-004	0.7290	0.0730	3.8000e-004	0.0733			3.4840	2.0000e-005	0.0000	3.4845
Worker	7.0000e-004	8.5000e-004			0.2631	1.0000e-005	0.2632	0.0265	1.0000e-005	0.0265			1.3290	7.0000e-005	0.0000	1.3305
Total	1.4700e-003	0.0170			0.9917	4.2000e-004	0.9921	0.0994	3.9000e-004	0.0998			4.8130	9.0000e-005	0.0000	4.815

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.5600e-003	0.0000	4.5600e-003	4.9000e-004	0.0000	4.9000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0808	0.9211				0.0432	0.0432		0.0398	0.0398			75.0703	0.0224	0.0000	75.5409
Total	0.0808	0.9211			4.5600e-003	0.0432	0.0478	4.9000e-004	0.0398	0.0402			75.0703	0.0224	0.0000	75.5409

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0162			0.2016	4.1000e-004	0.2020	0.0203	3.8000e-004	0.0207			3.4840	2.0000e-005	0.0000	3.4845
Worker	7.0000e-004	8.5000e-004			0.0733	1.0000e-005	0.0733	7.5000e-003	1.0000e-005	7.5100e-003			1.3290	7.0000e-005	0.0000	1.3305
Total	1.4700e-003	0.0170			0.2748	4.2000e-004	0.2752	0.0278	3.9000e-004	0.0282			4.8130	9.0000e-005	0.0000	4.815

3.23 Casitas Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781
Total	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	4.3000e-004			0.1316	1.0000e-005	0.1316	0.0132	1.0000e-005	0.0132			0.6645	4.0000e-005	0.0000	0.6653
Total	3.5000e-004	4.3000e-004			0.1316	1.0000e-005	0.1316	0.0132	1.0000e-005	0.0132			0.6645	4.0000e-005	0.0000	0.6653

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781
Total	9.5400e-003	0.1108				5.3200e-003	5.3200e-003		4.9000e-003	4.9000e-003			11.1084	3.3200e-003	0.0000	11.1781

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	4.3000e-004			0.0366	1.0000e-005	0.0367	3.7500e-003	1.0000e-005	3.7500e-003			0.6645	4.0000e-005	0.0000	0.6653
Total	3.5000e-004	4.3000e-004			0.0366	1.0000e-005	0.0367	3.7500e-003	1.0000e-005	3.7500e-003			0.6645	4.0000e-005	0.0000	0.6653

3.24 Install Conductor - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0111	0.0000	0.0111	1.2000e-003	0.0000	1.2000e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2978	3.5453				0.1404	0.1404		0.1292	0.1292			342.9453	0.1024	0.0000	345.0953
Total	0.2978	3.5453			0.0111	0.1404	0.1516	1.2000e-003	0.1292	0.1304			342.9453	0.1024	0.0000	345.0953

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.2600e-003	0.0233			1.0200	5.7000e-004	1.0206	0.1022	5.3000e-004	0.1027			4.9256	3.0000e-005	0.0000	4.9262
Worker	3.2800e-003	3.9700e-003			1.2280	6.0000e-005	1.2281	0.1236	5.0000e-005	0.1236			6.2019	3.4000e-004	0.0000	6.2090
Total	4.5400e-003	0.0273			2.2480	6.3000e-004	2.2486	0.2257	5.8000e-004	0.2263			11.1275	3.7000e-004	0.0000	11.1352

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.2600e-003	0.0000	4.2600e-003	4.6000e-004	0.0000	4.6000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2978	3.5453				0.1404	0.1404		0.1292	0.1292			342.9449	0.1024	0.0000	345.0949
Total	0.2978	3.5453			4.2600e-003	0.1404	0.1447	4.6000e-004	0.1292	0.1296			342.9449	0.1024	0.0000	345.0949

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.2600e-003	0.0233			0.2822	5.7000e-004	0.2827	0.0285	5.3000e-004	0.0290			4.9256	3.0000e-005	0.0000	4.9262
Worker	3.2800e-003	3.9700e-003			0.3420	6.0000e-005	0.3420	0.0350	5.0000e-005	0.0350			6.2019	3.4000e-004	0.0000	6.2090
Total	4.5400e-003	0.0273			0.6241	6.3000e-004	0.6248	0.0635	5.8000e-004	0.0640			11.1275	3.7000e-004	0.0000	11.1352

3.25 TSP Assembly - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0236	0.0000	0.0236	2.5500e-003	0.0000	2.5500e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	0.9810				0.0432	0.0432		0.0404	0.0404			87.5530	0.0247	0.0000	88.0711
Total	0.0862	0.9810			0.0236	0.0432	0.0668	2.5500e-003	0.0404	0.0429			87.5530	0.0247	0.0000	88.0711

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0320			1.4409	8.1000e-004	1.4417	0.1443	7.4000e-004	0.1451			6.8906	4.0000e-005	0.0000	6.8915
Worker	2.7800e-003	3.3600e-003			1.0409	5.0000e-005	1.0409	0.1047	4.0000e-005	0.1048			5.2569	2.9000e-004	0.0000	5.2629
Total	4.3100e-003	0.0354			2.4818	8.6000e-004	2.4827	0.2491	7.8000e-004	0.2498			12.1475	3.3000e-004	0.0000	12.1544

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					9.0300e-003	0.0000	9.0300e-003	9.7000e-004	0.0000	9.7000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0862	0.9810				0.0432	0.0432		0.0404	0.0404			87.5529	0.0247	0.0000	88.0709
Total	0.0862	0.9810			9.0300e-003	0.0432	0.0523	9.7000e-004	0.0404	0.0413			87.5529	0.0247	0.0000	88.0709

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0320			0.3986	8.1000e-004	0.3994	0.0402	7.4000e-004	0.0410			6.8906	4.0000e-005	0.0000	6.8915
Worker	2.7800e-003	3.3600e-003			0.2899	5.0000e-005	0.2899	0.0297	4.0000e-005	0.0297			5.2569	2.9000e-004	0.0000	5.2629
Total	4.3100e-003	0.0354			0.6885	8.6000e-004	0.6893	0.0699	7.8000e-004	0.0707			12.1475	3.3000e-004	0.0000	12.1544

3.26 TSP Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0236	0.0000	0.0236	2.5500e-003	0.0000	2.5500e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0779	0.9089				0.0389	0.0389		0.0362	0.0362			80.8357	0.0232	0.0000	81.3228
Total	0.0779	0.9089			0.0236	0.0389	0.0625	2.5500e-003	0.0362	0.0387			80.8357	0.0232	0.0000	81.3228

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.3900e-003	0.0630			2.7524	1.5500e-003	2.7539	0.2757	1.4300e-003	0.2771			13.2912	8.0000e-005	0.0000	13.2929
Worker	2.6500e-003	3.2100e-003			0.9941	5.0000e-005	0.9941	0.1000	4.0000e-005	0.1001			5.0206	2.7000e-004	0.0000	5.0263
Total	6.0400e-003	0.0662			3.7464	1.6000e-003	3.7480	0.3757	1.4700e-003	0.3771			18.3118	3.5000e-004	0.0000	18.3192

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.0300e-003	0.0000	9.0300e-003	9.7000e-004	0.0000	9.7000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0779	0.9089				0.0389	0.0389		0.0362	0.0362			80.8356	0.0232	0.0000	81.3227
Total	0.0779	0.9089			9.0300e-003	0.0389	0.0479	9.7000e-004	0.0362	0.0371			80.8356	0.0232	0.0000	81.3227

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	3.3900e-003	0.0630			0.7614	1.5500e-003	0.7630	0.0768	1.4300e-003	0.0782			13.2912	8.0000e-005	0.0000	13.2929
Worker	2.6500e-003	3.2100e-003			0.2768	5.0000e-005	0.2769	0.0283	4.0000e-005	0.0284			5.0206	2.7000e-004	0.0000	5.0263
Total	6.0400e-003	0.0662			1.0382	1.6000e-003	1.0398	0.1051	1.4700e-003	0.1066			18.3118	3.5000e-004	0.0000	18.3192

3.27 Casitas Electrical - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.3046				0.0140	0.0140		0.0128	0.0128			27.1447	8.1000e-003	0.0000	27.3149
Total	0.0259	0.3046			0.0000	0.0140	0.0140	0.0000	0.0128	0.0128			27.1447	8.1000e-003	0.0000	27.3149

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.8900e-003			0.5848	3.0000e-005	0.5848	0.0588	2.0000e-005	0.0589			2.9533	1.6000e-004	0.0000	2.9567

Total	1.5600e-003	1.8900e-003			0.5848	3.0000e-005	0.5848	0.0588	2.0000e-005	0.0589			2.9533	1.6000e-004	0.0000	2.9567
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.3046				0.0140	0.0140		0.0128	0.0128			27.1446	8.1000e-003	0.0000	27.3148
Total	0.0259	0.3046			0.0000	0.0140	0.0140	0.0000	0.0128	0.0128			27.1446	8.1000e-003	0.0000	27.3148

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.5600e-003	1.8900e-003			0.1629	3.0000e-005	0.1629	0.0167	2.0000e-005	0.0167			2.9533	1.6000e-004	0.0000	2.9567
Total	1.5600e-003	1.8900e-003			0.1629	3.0000e-005	0.1629	0.0167	2.0000e-005	0.0167			2.9533	1.6000e-004	0.0000	2.9567

3.28 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1480	1.6366				0.0765	0.0765		0.0717	0.0717			133.6108	0.0368	0.0000	134.3832
Total	0.1480	1.6366			7.9500e-003	0.0765	0.0845	8.6000e-004	0.0717	0.0725			133.6108	0.0368	0.0000	134.3832

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.8100e-003	0.0522			2.2828	1.2900e-003	2.2841	0.2286	1.1800e-003	0.2298			11.0239	7.0000e-005	0.0000	11.0253
Worker	4.4000e-003	5.3300e-003			1.6490	8.0000e-005	1.6491	0.1659	7.0000e-005	0.1660			8.3283	4.5000e-004	0.0000	8.3378
Total	7.2100e-003	0.0575			3.9319	1.3700e-003	3.9332	0.3946	1.2500e-003	0.3958			19.3522	5.2000e-004	0.0000	19.3631

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0400e-003	0.0000	3.0400e-003	3.3000e-004	0.0000	3.3000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1480	1.6366				0.0765	0.0765		0.0717	0.0717			133.6106	0.0368	0.0000	134.3830

Total	0.1480	1.6366			3.0400e-003	0.0765	0.0796	3.3000e-004	0.0717	0.0720			133.6106	0.0368	0.0000	134.383
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	2.8100e-003	0.0522			0.6315	1.2900e-003	0.6328	0.0637	1.1800e-003	0.0649			11.0239	7.0000e-005	0.0000	11.0253
Worker	4.4000e-003	5.3300e-003			0.4592	8.0000e-005	0.4593	0.0470	7.0000e-005	0.0471			8.3283	4.5000e-004	0.0000	8.3378
Total	7.2100e-003	0.0575			1.0907	1.3700e-003	1.0921	0.1107	1.2500e-003	0.1120			19.3522	5.2000e-004	0.0000	19.3631

3.28 LST Removal - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0851	0.9366				0.0433	0.0433		0.0406	0.0406			81.6813	0.0225	0.0000	82.1548
Total	0.0851	0.9366			7.9500e-003	0.0433	0.0513	8.6000e-004	0.0406	0.0414			81.6813	0.0225	0.0000	82.1548

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0279			1.4086	7.0000e-004	1.4093	0.1411	6.5000e-004	0.1417			6.7393	4.0000e-005	0.0000	6.7401
Worker	2.4600e-003	2.9500e-003			1.0175	4.0000e-005	1.0175	0.1024	4.0000e-005	0.1024			4.9568	2.6000e-004	0.0000	4.9622
Total	3.9900e-003	0.0308			2.4260	7.4000e-004	2.4268	0.2435	6.9000e-004	0.2441			11.6961	3.0000e-004	0.0000	11.7022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0400e-003	0.0000	3.0400e-003	3.3000e-004	0.0000	3.3000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0851	0.9366				0.0433	0.0433		0.0406	0.0406			81.6812	0.0225	0.0000	82.1547
Total	0.0851	0.9366			3.0400e-003	0.0433	0.0464	3.3000e-004	0.0406	0.0409			81.6812	0.0225	0.0000	82.1547

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0279			0.3897	7.0000e-004	0.3904	0.0393	6.5000e-004	0.0400			6.7393	4.0000e-005	0.0000	6.7401
Worker	2.4600e-003	2.9500e-003			0.2834	4.0000e-005	0.2834	0.0290	4.0000e-005	0.0290			4.9568	2.6000e-004	0.0000	4.9622
Total	3.9900e-003	0.0308			0.6730	7.4000e-004	0.6738	0.0683	6.9000e-004	0.0690			11.6961	3.0000e-004	0.0000	11.7022

3.29 LST Foundation Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0701	0.7508				0.0348	0.0348		0.0329	0.0329			77.2920	0.0211	0.0000	77.7359
Total	0.0701	0.7508			0.0000	0.0348	0.0348	0.0000	0.0329	0.0329			77.2920	0.0211	0.0000	77.7359

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	1.6600e-003			0.5146	2.0000e-005	0.5146	0.0518	2.0000e-005	0.0518			2.5989	1.4000e-004	0.0000	2.6019
Total	1.3700e-003	1.6600e-003			0.5146	2.0000e-005	0.5146	0.0518	2.0000e-005	0.0518			2.5989	1.4000e-004	0.0000	2.6019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0701	0.7508				0.0348	0.0348		0.0329	0.0329			77.2919	0.0211	0.0000	77.7358
Total	0.0701	0.7508			0.0000	0.0348	0.0348	0.0000	0.0329	0.0329			77.2919	0.0211	0.0000	77.7358

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.3700e-003	1.6600e-003			0.1433	2.0000e-005	0.1433	0.0147	2.0000e-005	0.0147			2.5989	1.4000e-004	0.0000	2.6019
Total	1.3700e-003	1.6600e-003			0.1433	2.0000e-005	0.1433	0.0147	2.0000e-005	0.0147			2.5989	1.4000e-004	0.0000	2.6019

3.30 Seg4 Remove Existing Conductor & GW - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr								MT/yr							
Off-Road	0.0201	0.2379				9.5700e-003	9.5700e-003		8.8000e-003	8.8000e-003			22.3278	6.6700e-003	0.0000	22.4678
Total	0.0201	0.2379				9.5700e-003	9.5700e-003		8.8000e-003	8.8000e-003			22.3278	6.6700e-003	0.0000	22.4678

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	3.8000e-004			0.1170	1.0000e-005	0.1170	0.0118	0.0000	0.0118			0.5907	3.0000e-005	0.0000	0.5913
Total	3.1000e-004	3.8000e-004			0.1170	1.0000e-005	0.1170	0.0118	0.0000	0.0118			0.5907	3.0000e-005	0.0000	0.5913

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.0201	0.2379					9.5700e-003	9.5700e-003		8.8000e-003	8.8000e-003			22.3277	6.6700e-003	0.0000	22.4677
Total	0.0201	0.2379					9.5700e-003	9.5700e-003		8.8000e-003	8.8000e-003			22.3277	6.6700e-003	0.0000	22.4677

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	3.8000e-004			0.0326	1.0000e-005	0.0326	3.3300e-003	0.0000	3.3400e-003			0.5907	3.0000e-005	0.0000	0.5913
Total	3.1000e-004	3.8000e-004			0.0326	1.0000e-005	0.0326	3.3300e-003	0.0000	3.3400e-003			0.5907	3.0000e-005	0.0000	0.5913

3.31 Site 132 Brushing, Roads & Landing Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	9.0000e-003				4.0000e-004	4.0000e-004		3.7000e-004	3.7000e-004			0.9196	2.7000e-004	0.0000	0.9253
Total	9.2000e-004	9.0000e-003			2.7000e-004	4.0000e-004	6.7000e-004	3.0000e-005	3.7000e-004	4.0000e-004			0.9196	2.7000e-004	0.0000	0.9253

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.7000e-004			0.0121	1.0000e-005	0.0122	1.2200e-003	1.0000e-005	1.2200e-003			0.0583	0.0000	0.0000	0.0583
Worker	2.0000e-005	2.0000e-005			7.3100e-003	0.0000	7.3100e-003	7.4000e-004	0.0000	7.4000e-004			0.0369	0.0000	0.0000	0.0370
Total	3.0000e-005	2.9000e-004			0.0195	1.0000e-005	0.0195	1.9600e-003	1.0000e-005	1.9600e-003			0.0952	0.0000	0.0000	0.0952

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	9.2000e-004	9.0000e-003				4.0000e-004	4.0000e-004		3.7000e-004	3.7000e-004			0.9196	2.7000e-004	0.0000	0.9253
Total	9.2000e-004	9.0000e-003			1.0000e-004	4.0000e-004	5.0000e-004	1.0000e-005	3.7000e-004	3.8000e-004			0.9196	2.7000e-004	0.0000	0.9253

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-005	2.7000e-004			3.3600e-003	1.0000e-005	3.3700e-003	3.4000e-004	1.0000e-005	3.5000e-004			0.0583	0.0000	0.0000	0.0583
Worker	2.0000e-005	2.0000e-005			2.0400e-003	0.0000	2.0400e-003	2.1000e-004	0.0000	2.1000e-004			0.0369	0.0000	0.0000	0.0370

Total	3.0000e-005	2.9000e-004			5.4000e-003	1.0000e-005	5.4100e-003	5.5000e-004	1.0000e-005	5.6000e-004			0.0952	0.0000	0.0000	0.0952
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3.32 Site 128 Brushing, Roads & Landing Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.8600e-003	0.0726				3.3100e-003	3.3100e-003		3.0400e-003	3.0400e-003			7.1320	2.1300e-003	0.0000	7.1767
Total	6.8600e-003	0.0726			0.0000	3.3100e-003	3.3100e-003	0.0000	3.0400e-003	3.0400e-003			7.1320	2.1300e-003	0.0000	7.1767

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.2000e-004			0.0364	2.0000e-005	0.0365	3.6500e-003	2.0000e-005	3.6700e-003			0.1748	0.0000	0.0000	0.1748
Worker	6.0000e-005	7.0000e-005			0.0219	0.0000	0.0219	2.2100e-003	0.0000	2.2100e-003			0.1108	1.0000e-005	0.0000	0.1109
Total	1.0000e-004	8.9000e-004			0.0584	2.0000e-005	0.0584	5.8600e-003	2.0000e-005	5.8800e-003			0.2855	1.0000e-005	0.0000	0.2857

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.8600e-003	0.0726				3.3100e-003	3.3100e-003		3.0400e-003	3.0400e-003			7.1320	2.1300e-003	0.0000	7.1767
Total	6.8600e-003	0.0726			0.0000	3.3100e-003	3.3100e-003	0.0000	3.0400e-003	3.0400e-003			7.1320	2.1300e-003	0.0000	7.1767

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	8.2000e-004			0.0101	2.0000e-005	0.0101	1.0200e-003	2.0000e-005	1.0400e-003			0.1748	0.0000	0.0000	0.1748
Worker	6.0000e-005	7.0000e-005			6.1100e-003	0.0000	6.1100e-003	6.2000e-004	0.0000	6.3000e-004			0.1108	1.0000e-005	0.0000	0.1109
Total	1.0000e-004	8.9000e-004			0.0162	2.0000e-005	0.0162	1.6400e-003	2.0000e-005	1.6700e-003			0.2855	1.0000e-005	0.0000	0.2857

3.33 Site 99 Install J-Tower Foundations - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0505				1.9100e-003	1.9100e-003		1.7600e-003	1.7600e-003			4.9828	1.4900e-003	0.0000	5.0141

Total	4.1800e-003	0.0505			0.0000	1.9100e-003	1.9100e-003	0.0000	1.7600e-003	1.7600e-003			4.9828	1.4900e-003	0.0000	5.0141
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.0900e-003			0.0486	3.0000e-005	0.0486	4.8600e-003	3.0000e-005	4.8900e-003			0.2330	0.0000	0.0000	0.2331
Worker	6.0000e-005	8.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1181	1.0000e-005	0.0000	0.1183
Total	1.1000e-004	1.1700e-003			0.0720	3.0000e-005	0.0720	7.2100e-003	3.0000e-005	7.2400e-003			0.3512	1.0000e-005	0.0000	0.3513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.1800e-003	0.0505				1.9100e-003	1.9100e-003		1.7600e-003	1.7600e-003			4.9828	1.4900e-003	0.0000	5.0141
Total	4.1800e-003	0.0505			0.0000	1.9100e-003	1.9100e-003	0.0000	1.7600e-003	1.7600e-003			4.9828	1.4900e-003	0.0000	5.0141

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.0900e-003			0.0134	3.0000e-005	0.0135	1.3600e-003	3.0000e-005	1.3800e-003			0.2330	0.0000	0.0000	0.2331
Worker	6.0000e-005	8.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1181	1.0000e-005	0.0000	0.1183
Total	1.1000e-004	1.1700e-003			0.0200	3.0000e-005	0.0200	2.0300e-003	3.0000e-005	2.0500e-003			0.3512	1.0000e-005	0.0000	0.3513

3.34 Site 97 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0368				1.6000e-003	1.6000e-003		1.4900e-003	1.4900e-003			3.7125	1.0800e-003	0.0000	3.7351
Total	3.3200e-003	0.0368			5.3000e-004	1.6000e-003	2.1300e-003	6.0000e-005	1.4900e-003	1.5500e-003			3.7125	1.0800e-003	0.0000	3.7351

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.0900e-003			0.0486	3.0000e-005	0.0486	4.8600e-003	3.0000e-005	4.8900e-003			0.2330	0.0000	0.0000	0.2331
Worker	6.0000e-005	8.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1181	1.0000e-005	0.0000	0.1183
Total	1.1000e-004	1.1700e-003			0.0720	3.0000e-005	0.0720	7.2100e-003	3.0000e-005	7.2400e-003			0.3512	1.0000e-005	0.0000	0.3513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	3.3200e-003	0.0368				1.6000e-003	1.6000e-003		1.4900e-003	1.4900e-003			3.7125	1.0800e-003	0.0000	3.7351
Total	3.3200e-003	0.0368			2.0000e-004	1.6000e-003	1.8000e-003	2.0000e-005	1.4900e-003	1.5100e-003			3.7125	1.0800e-003	0.0000	3.7351

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.0900e-003			0.0134	3.0000e-005	0.0135	1.3600e-003	3.0000e-005	1.3800e-003			0.2330	0.0000	0.0000	0.2331
Worker	6.0000e-005	8.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1181	1.0000e-005	0.0000	0.1183
Total	1.1000e-004	1.1700e-003			0.0200	3.0000e-005	0.0200	2.0300e-003	3.0000e-005	2.0500e-003			0.3512	1.0000e-005	0.0000	0.3513

3.35 Site 132 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	2.1600e-003	0.0231				1.0100e-003	1.0100e-003		9.5000e-004	9.5000e-004			2.3789	6.7000e-004	0.0000	2.3929
Total	2.1600e-003	0.0231			5.3000e-004	1.0100e-003	1.5400e-003	6.0000e-005	9.5000e-004	1.0100e-003			2.3789	6.7000e-004	0.0000	2.3929

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			0.0324	2.0000e-005	0.0324	3.2400e-003	2.0000e-005	3.2600e-003			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0558	2.0000e-005	0.0558	5.5900e-003	2.0000e-005	5.6100e-003			0.2745	1.0000e-005	0.0000	0.2747

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Fugitive Dust					2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000	0.0000	0.0000
Off-Road	2.1600e-003	0.0231				1.0100e-003	1.0100e-003		9.5000e-004	9.5000e-004			2.3789	6.7000e-004	0.0000	2.3929
Total	2.1600e-003	0.0231			2.0000e-004	1.0100e-003	1.2100e-003	2.0000e-005	9.5000e-004	9.7000e-004			2.3789	6.7000e-004	0.0000	2.3929

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			8.9600e-003	2.0000e-005	8.9800e-003	9.0000e-004	2.0000e-005	9.2000e-004			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0155	2.0000e-005	0.0155	1.5700e-003	2.0000e-005	1.5900e-003			0.2745	1.0000e-005	0.0000	0.2747

3.36 Site 99 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0179				7.6000e-004	7.6000e-004		7.1000e-004	7.1000e-004			1.8082	5.2000e-004	0.0000	1.8191
Total	1.6200e-003	0.0179			2.7000e-004	7.6000e-004	1.0300e-003	3.0000e-005	7.1000e-004	7.4000e-004			1.8082	5.2000e-004	0.0000	1.8191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	5.4000e-004			0.0243	1.0000e-005	0.0243	2.4300e-003	1.0000e-005	2.4400e-003			0.1165	0.0000	0.0000	0.1165
Worker	5.0000e-005	6.0000e-005			0.0175	0.0000	0.0175	1.7700e-003	0.0000	1.7700e-003			0.0886	0.0000	0.0000	0.0887
Total	8.0000e-005	6.0000e-004			0.0418	1.0000e-005	0.0418	4.2000e-003	1.0000e-005	4.2100e-003			0.2051	0.0000	0.0000	0.2052

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0179				7.6000e-004	7.6000e-004		7.1000e-004	7.1000e-004			1.8082	5.2000e-004	0.0000	1.8191
Total	1.6200e-003	0.0179			1.0000e-004	7.6000e-004	8.6000e-004	1.0000e-005	7.1000e-004	7.2000e-004			1.8082	5.2000e-004	0.0000	1.8191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	3.0000e-005	5.4000e-004			6.7200e-003	1.0000e-005	6.7300e-003	6.8000e-004	1.0000e-005	6.9000e-004			0.1165	0.0000	0.0000	0.1165
Worker	5.0000e-005	6.0000e-005			4.8900e-003	0.0000	4.8900e-003	5.0000e-004	0.0000	5.0000e-004			0.0886	0.0000	0.0000	0.0887
Total	8.0000e-005	6.0000e-004			0.0116	1.0000e-005	0.0116	1.1800e-003	1.0000e-005	1.1900e-003			0.2051	0.0000	0.0000	0.2052

3.37 Site 97 J-Tower Assembly & Erection - 2015
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0536				2.2900e-003	2.2900e-003		2.1400e-003	2.1400e-003			5.4246	1.5500e-003	0.0000	5.4572
Total	4.8700e-003	0.0536			8.0000e-004	2.2900e-003	3.0900e-003	9.0000e-005	2.1400e-003	2.2300e-003			5.4246	1.5500e-003	0.0000	5.4572

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0729	4.0000e-005	0.0729	7.3000e-003	4.0000e-005	7.3300e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0526	0.0000	0.0526	5.3000e-003	0.0000	5.3000e-003			0.2658	1.0000e-005	0.0000	0.2661

Total	2.2000e-004	1.8000e-003			0.1255	4.0000e-005	0.1255	0.0126	4.0000e-005	0.0126			0.6153	1.0000e-005	0.0000	0.6157
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0536				2.2900e-003	2.2900e-003		2.1400e-003	2.1400e-003			5.4246	1.5500e-003	0.0000	5.4572
Total	4.8700e-003	0.0536			3.0000e-004	2.2900e-003	2.5900e-003	3.0000e-005	2.1400e-003	2.1700e-003			5.4246	1.5500e-003	0.0000	5.4572

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0202	4.0000e-005	0.0202	2.0300e-003	4.0000e-005	2.0700e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0147	0.0000	0.0147	1.5000e-003	0.0000	1.5000e-003			0.2658	1.0000e-005	0.0000	0.2661
Total	2.2000e-004	1.8000e-003			0.0348	4.0000e-005	0.0349	3.5300e-003	4.0000e-005	3.5700e-003			0.6153	1.0000e-005	0.0000	0.6157

3.38 Site 132 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	9.5400e-003	0.1145				4.3000e-003	4.3000e-003		3.9500e-003	3.9500e-003			11.4989	3.4300e-003	0.0000	11.5710
Total	9.5400e-003	0.1145			8.0000e-004	4.3000e-003	5.1000e-003	9.0000e-005	3.9500e-003	4.0400e-003			11.4989	3.4300e-003	0.0000	11.571

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0729	4.0000e-005	0.0729	7.3000e-003	4.0000e-005	7.3300e-003			0.3495	0.0000	0.0000	0.3496
Worker	7.0000e-005	9.0000e-005			0.0263	0.0000	0.0263	2.6500e-003	0.0000	2.6500e-003			0.1329	1.0000e-005	0.0000	0.1331
Total	1.5000e-004	1.7200e-003			0.0992	4.0000e-005	0.0992	9.9500e-003	4.0000e-005	9.9800e-003			0.4824	1.0000e-005	0.0000	0.4826

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	9.5400e-003	0.1145				4.3000e-003	4.3000e-003		3.9500e-003	3.9500e-003			11.4989	3.4300e-003	0.0000	11.5710

Total	9.5400e-003	0.1145			3.0000e-004	4.3000e-003	4.6000e-003	3.0000e-005	3.9500e-003	3.9800e-003			11.4989	3.4300e-003	0.0000	11.571
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0202	4.0000e-005	0.0202	2.0300e-003	4.0000e-005	2.0700e-003			0.3495	0.0000	0.0000	0.3496
Worker	7.0000e-005	9.0000e-005			7.3300e-003	0.0000	7.3300e-003	7.5000e-004	0.0000	7.5000e-004			0.1329	1.0000e-005	0.0000	0.1331
Total	1.5000e-004	1.7200e-003			0.0275	4.0000e-005	0.0275	2.7800e-003	4.0000e-005	2.8200e-003			0.4824	1.0000e-005	0.0000	0.4826

3.39 Site 128 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	6.0000e-005	0.0000	6.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	2.1600e-003	0.0231				1.0100e-003	1.0100e-003		9.5000e-004	9.5000e-004			2.3789	6.7000e-004	0.0000	2.3929
Total	2.1600e-003	0.0231			5.3000e-004	1.0100e-003	1.5400e-003	6.0000e-005	9.5000e-004	1.0100e-003			2.3789	6.7000e-004	0.0000	2.3929

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			0.0324	2.0000e-005	0.0324	3.2400e-003	2.0000e-005	3.2600e-003			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0558	2.0000e-005	0.0558	5.5900e-003	2.0000e-005	5.6100e-003			0.2745	1.0000e-005	0.0000	0.2747

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-004	0.0000	2.0000e-004	2.0000e-005	0.0000	2.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	2.1600e-003	0.0231				1.0100e-003	1.0100e-003		9.5000e-004	9.5000e-004			2.3789	6.7000e-004	0.0000	2.3929
Total	2.1600e-003	0.0231			2.0000e-004	1.0100e-003	1.2100e-003	2.0000e-005	9.5000e-004	9.7000e-004			2.3789	6.7000e-004	0.0000	2.3929

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			8.9600e-003	2.0000e-005	8.9800e-003	9.0000e-004	2.0000e-005	9.2000e-004			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0155	2.0000e-005	0.0155	1.5700e-003	2.0000e-005	1.5900e-003			0.2745	1.0000e-005	0.0000	0.2747

3.40 Wood Pole Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0100	0.1160				4.7700e-003	4.7700e-003		4.4100e-003	4.4100e-003			10.9887	3.2300e-003	0.0000	11.0564
Total	0.0100	0.1160			1.0600e-003	4.7700e-003	5.8300e-003	1.1000e-004	4.4100e-003	4.5200e-003			10.9887	3.2300e-003	0.0000	11.0564

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.4800e-003			0.0648	4.0000e-005	0.0648	6.4900e-003	3.0000e-005	6.5200e-003			0.3127	0.0000	0.0000	0.3128
Worker	9.0000e-005	1.1000e-004			0.0351	0.0000	0.0351	3.5300e-003	0.0000	3.5300e-003			0.1772	1.0000e-005	0.0000	0.1774
Total	1.7000e-004	1.5900e-003			0.0999	4.0000e-005	0.0999	0.0100	3.0000e-005	0.0101			0.4899	1.0000e-005	0.0000	0.4902

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0100	0.1160				4.7700e-003	4.7700e-003		4.4100e-003	4.4100e-003			10.9887	3.2300e-003	0.0000	11.0564
Total	0.0100	0.1160			4.1000e-004	4.7700e-003	5.1800e-003	4.0000e-005	4.4100e-003	4.4500e-003			10.9887	3.2300e-003	0.0000	11.0564

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.4800e-003			0.0179	4.0000e-005	0.0180	1.8100e-003	3.0000e-005	1.8400e-003			0.3127	0.0000	0.0000	0.3128
Worker	9.0000e-005	1.1000e-004			9.7700e-003	0.0000	9.7700e-003	1.0000e-003	0.0000	1.0000e-003			0.1772	1.0000e-005	0.0000	0.1774
Total	1.7000e-004	1.5900e-003			0.0277	4.0000e-005	0.0277	2.8100e-003	3.0000e-005	2.8400e-003			0.4899	1.0000e-005	0.0000	0.4902

3.41 Seg 4 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-003	0.0929				4.3400e-003	4.3400e-003		4.0700e-003	4.0700e-003			7.5808	2.0900e-003	0.0000	7.6246
Total	8.4000e-003	0.0929			0.0000	4.3400e-003	4.3400e-003	0.0000	4.0700e-003	4.0700e-003			7.5808	2.0900e-003	0.0000	7.6246

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	2.9600e-003			0.1295	7.0000e-005	0.1296	0.0130	7.0000e-005	0.0130			0.6255	0.0000	0.0000	0.6256
Worker	2.5000e-004	3.0000e-004			0.0936	0.0000	0.0936	9.4100e-003	0.0000	9.4200e-003			0.4725	3.0000e-005	0.0000	0.4731
Total	4.1000e-004	3.2600e-003			0.2231	7.0000e-005	0.2232	0.0224	7.0000e-005	0.0225			1.0980	3.0000e-005	0.0000	1.0986

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-003	0.0929				4.3400e-003	4.3400e-003		4.0700e-003	4.0700e-003			7.5807	2.0900e-003	0.0000	7.6246
Total	8.4000e-003	0.0929			0.0000	4.3400e-003	4.3400e-003	0.0000	4.0700e-003	4.0700e-003			7.5807	2.0900e-003	0.0000	7.6246

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.6000e-004	2.9600e-003			0.0358	7.0000e-005	0.0359	3.6100e-003	7.0000e-005	3.6800e-003			0.6255	0.0000	0.0000	0.6256
Worker	2.5000e-004	3.0000e-004			0.0261	0.0000	0.0261	2.6700e-003	0.0000	2.6700e-003			0.4725	3.0000e-005	0.0000	0.4731
Total	4.1000e-004	3.2600e-003			0.0619	7.0000e-005	0.0620	6.2800e-003	7.0000e-005	6.3500e-003			1.0980	3.0000e-005	0.0000	1.0986

3.42 Site 128 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0581				2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003			5.8265	1.7400e-003	0.0000	5.8630
Total	4.8700e-003	0.0581			8.0000e-004	2.2300e-003	3.0300e-003	9.0000e-005	2.0500e-003	2.1400e-003			5.8265	1.7400e-003	0.0000	5.863

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0729	4.0000e-005	0.0729	7.3000e-003	4.0000e-005	7.3300e-003			0.3495	0.0000	0.0000	0.3496
Worker	7.0000e-005	9.0000e-005			0.0263	0.0000	0.0263	2.6500e-003	0.0000	2.6500e-003			0.1329	1.0000e-005	0.0000	0.1331
Total	1.5000e-004	1.7200e-003			0.0992	4.0000e-005	0.0992	9.9500e-003	4.0000e-005	9.9800e-003			0.4824	1.0000e-005	0.0000	0.4826

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8700e-003	0.0581				2.2300e-003	2.2300e-003		2.0500e-003	2.0500e-003			5.8265	1.7400e-003	0.0000	5.8630
Total	4.8700e-003	0.0581			3.0000e-004	2.2300e-003	2.5300e-003	3.0000e-005	2.0500e-003	2.0800e-003			5.8265	1.7400e-003	0.0000	5.863

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0202	4.0000e-005	0.0202	2.0300e-003	4.0000e-005	2.0700e-003			0.3495	0.0000	0.0000	0.3496
Worker	7.0000e-005	9.0000e-005			7.3300e-003	0.0000	7.3300e-003	7.5000e-004	0.0000	7.5000e-004			0.1329	1.0000e-005	0.0000	0.1331

Total	1.5000e-004	1.7200e-003			0.0275	4.0000e-005	0.0275	2.7800e-003	4.0000e-005	2.8200e-003			0.4824	1.0000e-005	0.0000	0.4826
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3.43 Site 132 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	5.8800e-003	0.0655				2.7500e-003	2.7500e-003		2.5600e-003	2.5600e-003			6.6595	1.9200e-003	0.0000	6.6999
Total	5.8800e-003	0.0655			8.0000e-004	2.7500e-003	3.5500e-003	9.0000e-005	2.5600e-003	2.6500e-003			6.6595	1.9200e-003	0.0000	6.6999

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0729	4.0000e-005	0.0729	7.3000e-003	4.0000e-005	7.3300e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0526	0.0000	0.0526	5.3000e-003	0.0000	5.3000e-003			0.2658	1.0000e-005	0.0000	0.2661
Total	2.2000e-004	1.8000e-003			0.1255	4.0000e-005	0.1255	0.0126	4.0000e-005	0.0126			0.6153	1.0000e-005	0.0000	0.6157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	5.8800e-003	0.0655				2.7500e-003	2.7500e-003		2.5600e-003	2.5600e-003			6.6595	1.9200e-003	0.0000	6.6999
Total	5.8800e-003	0.0655			3.0000e-004	2.7500e-003	3.0500e-003	3.0000e-005	2.5600e-003	2.5900e-003			6.6595	1.9200e-003	0.0000	6.6999

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0202	4.0000e-005	0.0202	2.0300e-003	4.0000e-005	2.0700e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0147	0.0000	0.0147	1.5000e-003	0.0000	1.5000e-003			0.2658	1.0000e-005	0.0000	0.2661
Total	2.2000e-004	1.8000e-003			0.0348	4.0000e-005	0.0349	3.5300e-003	4.0000e-005	3.5700e-003			0.6153	1.0000e-005	0.0000	0.6157

3.44 Site 128 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-003	0.0750				3.6100e-003	3.6100e-003		3.3500e-003	3.3500e-003			6.7644	1.9500e-003	0.0000	6.8054

Total	7.0000e-003	0.0750			8.0000e-004	3.6100e-003	4.4100e-003	9.0000e-005	3.3500e-003	3.4400e-003			6.7644	1.9500e-003	0.0000	6.8054
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0729	4.0000e-005	0.0729	7.3000e-003	4.0000e-005	7.3300e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0526	0.0000	0.0526	5.3000e-003	0.0000	5.3000e-003			0.2658	1.0000e-005	0.0000	0.2661
Total	2.2000e-004	1.8000e-003			0.1255	4.0000e-005	0.1255	0.0126	4.0000e-005	0.0126			0.6153	1.0000e-005	0.0000	0.6157

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-003	0.0750				3.6100e-003	3.6100e-003		3.3500e-003	3.3500e-003			6.7644	1.9500e-003	0.0000	6.8054
Total	7.0000e-003	0.0750			3.0000e-004	3.6100e-003	3.9100e-003	3.0000e-005	3.3500e-003	3.3800e-003			6.7644	1.9500e-003	0.0000	6.8054

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.0000e-005	1.6300e-003			0.0202	4.0000e-005	0.0202	2.0300e-003	4.0000e-005	2.0700e-003			0.3495	0.0000	0.0000	0.3496
Worker	1.4000e-004	1.7000e-004			0.0147	0.0000	0.0147	1.5000e-003	0.0000	1.5000e-003			0.2658	1.0000e-005	0.0000	0.2661
Total	2.2000e-004	1.8000e-003			0.0348	4.0000e-005	0.0349	3.5300e-003	4.0000e-005	3.5700e-003			0.6153	1.0000e-005	0.0000	0.6157

3.45 Seg 4 LST Foundation Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0341				1.5800e-003	1.5800e-003		1.4900e-003	1.4900e-003			3.5133	9.6000e-004	0.0000	3.5335
Total	3.1900e-003	0.0341			0.0000	1.5800e-003	1.5800e-003	0.0000	1.4900e-003	1.4900e-003			3.5133	9.6000e-004	0.0000	3.5335

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			0.0324	2.0000e-005	0.0324	3.2400e-003	2.0000e-005	3.2600e-003			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0558	2.0000e-005	0.0558	5.5900e-003	2.0000e-005	5.6100e-003			0.2745	1.0000e-005	0.0000	0.2747

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.1900e-003	0.0341				1.5800e-003	1.5800e-003		1.4900e-003	1.4900e-003			3.5133	9.6000e-004	0.0000	3.5334
Total	3.1900e-003	0.0341			0.0000	1.5800e-003	1.5800e-003	0.0000	1.4900e-003	1.4900e-003			3.5133	9.6000e-004	0.0000	3.5334

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-005	7.4000e-004			8.9600e-003	2.0000e-005	8.9800e-003	9.0000e-004	2.0000e-005	9.2000e-004			0.1564	0.0000	0.0000	0.1564
Worker	6.0000e-005	8.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1181	1.0000e-005	0.0000	0.1183
Total	1.0000e-004	8.2000e-004			0.0155	2.0000e-005	0.0155	1.5700e-003	2.0000e-005	1.5900e-003			0.2745	1.0000e-005	0.0000	0.2747

3.46 Santa Clara Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1660				7.1800e-003	7.1800e-003		6.6100e-003	6.6100e-003			14.5883	4.3600e-003	0.0000	14.6798
Total	0.0150	0.1660			0.0000	7.1800e-003	7.1800e-003	0.0000	6.6100e-003	6.6100e-003			14.5883	4.3600e-003	0.0000	14.6798

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	6.6000e-004			0.2047	1.0000e-005	0.2047	0.0206	1.0000e-005	0.0206			1.0337	6.0000e-005	0.0000	1.0348
Total	5.5000e-004	6.6000e-004			0.2047	1.0000e-005	0.2047	0.0206	1.0000e-005	0.0206			1.0337	6.0000e-005	0.0000	1.0348

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0150	0.1660				7.1800e-003	7.1800e-003		6.6100e-003	6.6100e-003			14.5883	4.3600e-003	0.0000	14.6798
Total	0.0150	0.1660			0.0000	7.1800e-003	7.1800e-003	0.0000	6.6100e-003	6.6100e-003			14.5883	4.3600e-003	0.0000	14.6798

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	6.6000e-004			0.0570	1.0000e-005	0.0570	5.8300e-003	1.0000e-005	5.8400e-003			1.0337	6.0000e-005	0.0000	1.0348
Total	5.5000e-004	6.6000e-004			0.0570	1.0000e-005	0.0570	5.8300e-003	1.0000e-005	5.8400e-003			1.0337	6.0000e-005	0.0000	1.0348

3.47 Casitas Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0133	0.0000	0.0133	1.4300e-003	0.0000	1.4300e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3193				0.0194	0.0194		0.0179	0.0179			19.6171	5.8600e-003	0.0000	19.7400
Total	0.0317	0.3193			0.0133	0.0194	0.0327	1.4300e-003	0.0179	0.0193			19.6171	5.8600e-003	0.0000	19.74

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	1.1800e-003			0.3655	2.0000e-005	0.3655	0.0368	2.0000e-005	0.0368			1.8458	1.0000e-004	0.0000	1.8479
Total	9.8000e-004	1.1800e-003			0.3655	2.0000e-005	0.3655	0.0368	2.0000e-005	0.0368			1.8458	1.0000e-004	0.0000	1.8479

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0700e-003	0.0000	5.0700e-003	5.5000e-004	0.0000	5.5000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3193				0.0194	0.0194		0.0179	0.0179			19.6170	5.8600e-003	0.0000	19.7400
Total	0.0317	0.3193			5.0700e-003	0.0194	0.0245	5.5000e-004	0.0179	0.0184			19.6170	5.8600e-003	0.0000	19.74

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	9.8000e-004	1.1800e-003			0.1018	2.0000e-005	0.1018	0.0104	2.0000e-005	0.0104			1.8458	1.0000e-004	0.0000	1.8479
Total	9.8000e-004	1.1800e-003			0.1018	2.0000e-005	0.1018	0.0104	2.0000e-005	0.0104			1.8458	1.0000e-004	0.0000	1.8479

3.48 Carpinteria Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1874				8.1000e-003	8.1000e-003		7.4500e-003	7.4500e-003			16.4640	4.9200e-003	0.0000	16.5672
Total	0.0169	0.1874			0.0000	8.1000e-003	8.1000e-003	0.0000	7.4500e-003	7.4500e-003			16.4640	4.9200e-003	0.0000	16.5672

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	7.5000e-004			0.2310	1.0000e-005	0.2310	0.0232	1.0000e-005	0.0233			1.1666	6.0000e-005	0.0000	1.1679

Total	6.2000e-004	7.5000e-004			0.2310	1.0000e-005	0.2310	0.0232	1.0000e-005	0.0233			1.1666	6.0000e-005	0.0000	1.1679
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1874				8.1000e-003	8.1000e-003		7.4500e-003	7.4500e-003			16.4640	4.9200e-003	0.0000	16.5672
Total	0.0169	0.1874			0.0000	8.1000e-003	8.1000e-003	0.0000	7.4500e-003	7.4500e-003			16.4640	4.9200e-003	0.0000	16.5672

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	7.5000e-004			0.0643	1.0000e-005	0.0643	6.5800e-003	1.0000e-005	6.5900e-003			1.1666	6.0000e-005	0.0000	1.1679
Total	6.2000e-004	7.5000e-004			0.0643	1.0000e-005	0.0643	6.5800e-003	1.0000e-005	6.5900e-003			1.1666	6.0000e-005	0.0000	1.1679

3.48 Carpinteria Maintenance - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-004	2.1800e-003				9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.2062	6.0000e-005	0.0000	0.2075
Total	2.0000e-004	2.1800e-003			0.0000	9.0000e-005	9.0000e-005	0.0000	9.0000e-005	9.0000e-005			0.2062	6.0000e-005	0.0000	0.2075

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005			2.9200e-003	0.0000	2.9200e-003	2.9000e-004	0.0000	2.9000e-004			0.0142	0.0000	0.0000	0.0143
Total	1.0000e-005	1.0000e-005			2.9200e-003	0.0000	2.9200e-003	2.9000e-004	0.0000	2.9000e-004			0.0142	0.0000	0.0000	0.0143

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-004	2.1800e-003				9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005			0.2062	6.0000e-005	0.0000	0.2075

Total	2.0000e-004	2.1800e-003			0.0000	9.0000e-005	9.0000e-005	0.0000	9.0000e-005	9.0000e-005			0.2062	6.0000e-005	0.0000	0.2075
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005			8.1000e-004	0.0000	8.1000e-004	8.0000e-005	0.0000	8.0000e-005			0.0142	0.0000	0.0000	0.0143
Total	1.0000e-005	1.0000e-005			8.1000e-004	0.0000	8.1000e-004	8.0000e-005	0.0000	8.0000e-005			0.0142	0.0000	0.0000	0.0143

3.49 Casitas Test - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.5700e-003	0.0395				1.7100e-003	1.7100e-003		1.5700e-003	1.5700e-003			3.4734	1.0400e-003	0.0000	3.4952
Total	3.5700e-003	0.0395			0.0000	1.7100e-003	1.7100e-003	0.0000	1.5700e-003	1.5700e-003			3.4734	1.0400e-003	0.0000	3.4952

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.4000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3692	2.0000e-005	0.0000	0.3696
Total	2.0000e-004	2.4000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3692	2.0000e-005	0.0000	0.3696

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.5700e-003	0.0395				1.7100e-003	1.7100e-003		1.5700e-003	1.5700e-003			3.4734	1.0400e-003	0.0000	3.4952
Total	3.5700e-003	0.0395			0.0000	1.7100e-003	1.7100e-003	0.0000	1.5700e-003	1.5700e-003			3.4734	1.0400e-003	0.0000	3.4952

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	2.4000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3692	2.0000e-005	0.0000	0.3696
Total	2.0000e-004	2.4000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3692	2.0000e-005	0.0000	0.3696

3.50 Santa Clara Test - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.8500e-003	0.0427				1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003			3.7513	1.1200e-003	0.0000	3.7748
Total	3.8500e-003	0.0427			0.0000	1.8500e-003	1.8500e-003	0.0000	1.7000e-003	1.7000e-003			3.7513	1.1200e-003	0.0000	3.7748

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	2.6000e-004			0.0789	0.0000	0.0790	7.9400e-003	0.0000	7.9500e-003			0.3987	2.0000e-005	0.0000	0.3992
Total	2.1000e-004	2.6000e-004			0.0789	0.0000	0.0790	7.9400e-003	0.0000	7.9500e-003			0.3987	2.0000e-005	0.0000	0.3992

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	3.8500e-003	0.0427				1.8500e-003	1.8500e-003		1.7000e-003	1.7000e-003			3.7513	1.1200e-003	0.0000	3.7748
Total	3.8500e-003	0.0427			0.0000	1.8500e-003	1.8500e-003	0.0000	1.7000e-003	1.7000e-003			3.7513	1.1200e-003	0.0000	3.7748

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	2.1000e-004	2.6000e-004			0.0220	0.0000	0.0220	2.2500e-003	0.0000	2.2500e-003			0.3987	2.0000e-005	0.0000	0.3992
Total	2.1000e-004	2.6000e-004			0.0220	0.0000	0.0220	2.2500e-003	0.0000	2.2500e-003			0.3987	2.0000e-005	0.0000	0.3992

3.50 Santa Clara Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0116				5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004			1.0998	3.3000e-004	0.0000	1.1068
Total	1.0800e-003	0.0116			0.0000	5.0000e-004	5.0000e-004	0.0000	4.6000e-004	4.6000e-004			1.0998	3.3000e-004	0.0000	1.1068

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	7.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1140	1.0000e-005	0.0000	0.1141
Total	6.0000e-005	7.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1140	1.0000e-005	0.0000	0.1141

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0116				5.0000e-004	5.0000e-004		4.6000e-004	4.6000e-004			1.0998	3.3000e-004	0.0000	1.1068
Total	1.0800e-003	0.0116			0.0000	5.0000e-004	5.0000e-004	0.0000	4.6000e-004	4.6000e-004			1.0998	3.3000e-004	0.0000	1.1068

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	7.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1140	1.0000e-005	0.0000	0.1141
Total	6.0000e-005	7.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1140	1.0000e-005	0.0000	0.1141

3.51 Carpinteria Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7200e-003	0.0728				3.1300e-003	3.1300e-003		2.8800e-003	2.8800e-003			6.8738	2.0700e-003	0.0000	6.9174
Total	6.7200e-003	0.0728			0.0000	3.1300e-003	3.1300e-003	0.0000	2.8800e-003	2.8800e-003			6.8738	2.0700e-003	0.0000	6.9174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	4.2000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7122	4.0000e-005	0.0000	0.7130
Total	3.5000e-004	4.2000e-004			0.1462	1.0000e-005	0.1462	0.0147	1.0000e-005	0.0147			0.7122	4.0000e-005	0.0000	0.713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7200e-003	0.0728				3.1300e-003	3.1300e-003		2.8800e-003	2.8800e-003			6.8738	2.0700e-003	0.0000	6.9174
Total	6.7200e-003	0.0728			0.0000	3.1300e-003	3.1300e-003	0.0000	2.8800e-003	2.8800e-003			6.8738	2.0700e-003	0.0000	6.9174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	4.2000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7122	4.0000e-005	0.0000	0.7130

Total	3.5000e-004	4.2000e-004			0.0407	1.0000e-005	0.0407	4.1700e-003	1.0000e-005	4.1700e-003			0.7122	4.0000e-005	0.0000	0.713
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3.52 Golita Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565

3.53 Santa Barbara Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565

3.54 Golita Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565

3.55 Santa Barbara Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0731	0.0000	0.0731	7.3600e-003	0.0000	7.3600e-003			0.3561	2.0000e-005	0.0000	0.3565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Off-Road	1.6800e-003	0.0182				7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293
Total	1.6800e-003	0.0182			0.0000	7.8000e-004	7.8000e-004	0.0000	7.2000e-004	7.2000e-004			1.7185	5.2000e-004	0.0000	1.7293

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565
Total	1.8000e-004	2.1000e-004			0.0204	0.0000	0.0204	2.0800e-003	0.0000	2.0900e-003			0.3561	2.0000e-005	0.0000	0.3565

3.56 Ortega Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	7.2800e-003				3.1000e-004	3.1000e-004		2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917
Total	6.7000e-004	7.2800e-003			0.0000	3.1000e-004	3.1000e-004	0.0000	2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	8.0000e-005			0.0292	0.0000	0.0292	2.9400e-003	0.0000	2.9400e-003			0.1424	1.0000e-005	0.0000	0.1426
Total	7.0000e-005	8.0000e-005			0.0292	0.0000	0.0292	2.9400e-003	0.0000	2.9400e-003			0.1424	1.0000e-005	0.0000	0.1426

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	7.2800e-003				3.1000e-004	3.1000e-004		2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917
Total	6.7000e-004	7.2800e-003			0.0000	3.1000e-004	3.1000e-004	0.0000	2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	8.0000e-005			8.1400e-003	0.0000	8.1400e-003	8.3000e-004	0.0000	8.3000e-004			0.1424	1.0000e-005	0.0000	0.1426
Total	7.0000e-005	8.0000e-005			8.1400e-003	0.0000	8.1400e-003	8.3000e-004	0.0000	8.3000e-004			0.1424	1.0000e-005	0.0000	0.1426

3.57 Ortega Test - 2016

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	7.2800e-003				3.1000e-004	3.1000e-004		2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917
Total	6.7000e-004	7.2800e-003			0.0000	3.1000e-004	3.1000e-004	0.0000	2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	8.0000e-005			0.0292	0.0000	0.0292	2.9400e-003	0.0000	2.9400e-003			0.1424	1.0000e-005	0.0000	0.1426

Total	7.0000e-005	8.0000e-005			0.0292	0.0000	0.0292	2.9400e-003	0.0000	2.9400e-003			0.1424	1.0000e-005	0.0000	0.1426
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	6.7000e-004	7.2800e-003				3.1000e-004	3.1000e-004		2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917
Total	6.7000e-004	7.2800e-003			0.0000	3.1000e-004	3.1000e-004	0.0000	2.9000e-004	2.9000e-004			0.6874	2.1000e-004	0.0000	0.6917

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	8.0000e-005			8.1400e-003	0.0000	8.1400e-003	8.3000e-004	0.0000	8.3000e-004			0.1424	1.0000e-005	0.0000	0.1426
Total	7.0000e-005	8.0000e-005			8.1400e-003	0.0000	8.1400e-003	8.3000e-004	0.0000	8.3000e-004			0.1424	1.0000e-005	0.0000	0.1426

3.58 LWS Pole Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0369				1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003			3.7128	1.1200e-003	0.0000	3.7363
Total	3.0700e-003	0.0369			1.0600e-003	1.4400e-003	2.5000e-003	1.1000e-004	1.3300e-003	1.4400e-003			3.7128	1.1200e-003	0.0000	3.7363

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.2400e-003			0.0648	3.0000e-005	0.0648	6.4900e-003	3.0000e-005	6.5200e-003			0.3068	0.0000	0.0000	0.3069
Worker	6.0000e-005	7.0000e-005			0.0234	0.0000	0.0234	2.3500e-003	0.0000	2.3500e-003			0.1140	1.0000e-005	0.0000	0.1141
Total	1.2000e-004	1.3100e-003			0.0882	3.0000e-005	0.0882	8.8400e-003	3.0000e-005	8.8700e-003			0.4208	1.0000e-005	0.0000	0.4209

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e-003	0.0369				1.4400e-003	1.4400e-003		1.3300e-003	1.3300e-003			3.7128	1.1200e-003	0.0000	3.7363

Total	3.0700e-003	0.0369			4.1000e-004	1.4400e-003	1.8500e-003	4.0000e-005	1.3300e-003	1.3700e-003			3.7128	1.1200e-003	0.0000	3.7363
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	1.2400e-003			0.0179	3.0000e-005	0.0180	1.8100e-003	3.0000e-005	1.8400e-003			0.3068	0.0000	0.0000	0.3069
Worker	6.0000e-005	7.0000e-005			6.5100e-003	0.0000	6.5100e-003	6.7000e-004	0.0000	6.7000e-004			0.1140	1.0000e-005	0.0000	0.1141
Total	1.2000e-004	1.3100e-003			0.0244	3.0000e-005	0.0245	2.4800e-003	3.0000e-005	2.5100e-003			0.4208	1.0000e-005	0.0000	0.4209

3.59 LWS Pole Assembly - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	5.6100e-003	0.0613				3.1300e-003	3.1300e-003		2.8900e-003	2.8900e-003			4.7914	1.4000e-003	0.0000	4.8207
Total	5.6100e-003	0.0613			1.0600e-003	3.1300e-003	4.1900e-003	1.1000e-004	2.8900e-003	3.0000e-003			4.7914	1.4000e-003	0.0000	4.8207

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	2.5600e-003			0.1295	6.0000e-005	0.1296	0.0130	6.0000e-005	0.0130			0.6197	0.0000	0.0000	0.6198
Worker	1.1000e-004	1.4000e-004			0.0468	0.0000	0.0468	4.7100e-003	0.0000	4.7100e-003			0.2279	1.0000e-005	0.0000	0.2281
Total	2.5000e-004	2.7000e-003			0.1763	6.0000e-005	0.1764	0.0177	6.0000e-005	0.0177			0.8476	1.0000e-005	0.0000	0.8479

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	5.6100e-003	0.0613				3.1300e-003	3.1300e-003		2.8900e-003	2.8900e-003			4.7914	1.4000e-003	0.0000	4.8207
Total	5.6100e-003	0.0613			4.1000e-004	3.1300e-003	3.5400e-003	4.0000e-005	2.8900e-003	2.9300e-003			4.7914	1.4000e-003	0.0000	4.8207

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	2.5600e-003			0.0358	6.0000e-005	0.0359	3.6100e-003	6.0000e-005	3.6700e-003			0.6197	0.0000	0.0000	0.6198
Worker	1.1000e-004	1.4000e-004			0.0130	0.0000	0.0130	1.3300e-003	0.0000	1.3300e-003			0.2279	1.0000e-005	0.0000	0.2281
Total	2.5000e-004	2.7000e-003			0.0489	6.0000e-005	0.0489	4.9400e-003	6.0000e-005	5.0000e-003			0.8476	1.0000e-005	0.0000	0.8479

3.60 Instal LWS Pole - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0436				1.7500e-003	1.7500e-003		1.6100e-003	1.6100e-003			4.5043	1.3600e-003	0.0000	4.5328
Total	3.6800e-003	0.0436			8.0000e-004	1.7500e-003	2.5500e-003	9.0000e-005	1.6100e-003	1.7000e-003			4.5043	1.3600e-003	0.0000	4.5328

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	9.3000e-004			0.0486	2.0000e-005	0.0486	4.8600e-003	2.0000e-005	4.8900e-003			0.2301	0.0000	0.0000	0.2302
Worker	6.0000e-005	8.0000e-005			0.0263	0.0000	0.0263	2.6500e-003	0.0000	2.6500e-003			0.1282	1.0000e-005	0.0000	0.1283
Total	1.1000e-004	1.0100e-003			0.0749	2.0000e-005	0.0749	7.5100e-003	2.0000e-005	7.5400e-003			0.3583	1.0000e-005	0.0000	0.3585

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	3.6800e-003	0.0436				1.7500e-003	1.7500e-003		1.6100e-003	1.6100e-003			4.5043	1.3600e-003	0.0000	4.5328
Total	3.6800e-003	0.0436			3.0000e-004	1.7500e-003	2.0500e-003	3.0000e-005	1.6100e-003	1.6400e-003			4.5043	1.3600e-003	0.0000	4.5328

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	9.3000e-004			0.0134	2.0000e-005	0.0135	1.3600e-003	2.0000e-005	1.3800e-003			0.2301	0.0000	0.0000	0.2302
Worker	6.0000e-005	8.0000e-005			7.3300e-003	0.0000	7.3300e-003	7.5000e-004	0.0000	7.5000e-004			0.1282	1.0000e-005	0.0000	0.1283
Total	1.1000e-004	1.0100e-003			0.0208	2.0000e-005	0.0208	2.1100e-003	2.0000e-005	2.1300e-003			0.3583	1.0000e-005	0.0000	0.3585

3.61 Install PRGW&FRC - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
	Fugitive Dust					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004			0.0000	0.0000	0.0000
Off-Road	0.1279	1.4824				0.0582	0.0582		0.0535	0.0535			158.3678	0.0478	0.0000	159.3709
Total	0.1279	1.4824			5.8300e-003	0.0582	0.0640	6.3000e-004	0.0535	0.0542			158.3678	0.0478	0.0000	159.3709

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.8700e-003			0.6432	3.0000e-005	0.6433	0.0647	3.0000e-005	0.0648			3.1336	1.6000e-004	0.0000	3.1370
Total	1.5500e-003	1.8700e-003			0.6432	3.0000e-005	0.6433	0.0647	3.0000e-005	0.0648			3.1336	1.6000e-004	0.0000	3.137

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2300e-003	0.0000	2.2300e-003	2.4000e-004	0.0000	2.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1279	1.4824				0.0582	0.0582		0.0535	0.0535			158.3676	0.0478	0.0000	159.3707
Total	0.1279	1.4824			2.2300e-003	0.0582	0.0604	2.4000e-004	0.0535	0.0538			158.3676	0.0478	0.0000	159.3707

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.8700e-003			0.1791	3.0000e-005	0.1792	0.0183	3.0000e-005	0.0184			3.1336	1.6000e-004	0.0000	3.1370
Total	1.5500e-003	1.8700e-003			0.1791	3.0000e-005	0.1792	0.0183	3.0000e-005	0.0184			3.1336	1.6000e-004	0.0000	3.137

3.62 Guard Structure Removal - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.7600e-003	0.0000	5.7600e-003	8.7000e-004	0.0000	8.7000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-003	0.0948				3.9900e-003	3.9900e-003		3.7000e-003	3.7000e-003			9.4769	2.7600e-003	0.0000	9.5349
Total	8.4000e-003	0.0948			5.7600e-003	3.9900e-003	9.7500e-003	8.7000e-004	3.7000e-003	4.5700e-003			9.4769	2.7600e-003	0.0000	9.5349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr									MT/yr						
	Hauling	4.5000e-004	8.0400e-003			0.0799	1.2000e-004	0.0800	8.0500e-003	1.1000e-004	8.1600e-003			1.7283	1.0000e-005	0.0000
Vendor	1.4000e-004	2.5600e-003			0.1295	6.0000e-005	0.1296	0.0130	6.0000e-005	0.0130			0.6197	0.0000	0.0000	0.6198
Worker	1.7000e-004	2.0000e-004			0.0702	0.0000	0.0702	7.0600e-003	0.0000	7.0600e-003			0.3419	2.0000e-005	0.0000	0.3422
Total	7.6000e-004	0.0108			0.2796	1.8000e-004	0.2798	0.0281	1.7000e-004	0.0283			2.6899	3.0000e-005	0.0000	2.6905

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2000e-003	0.0000	2.2000e-003	3.3000e-004	0.0000	3.3000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-003	0.0948				3.9900e-003	3.9900e-003		3.7000e-003	3.7000e-003			9.4768	2.7600e-003	0.0000	9.5348
Total	8.4000e-003	0.0948			2.2000e-003	3.9900e-003	6.1900e-003	3.3000e-004	3.7000e-003	4.0300e-003			9.4768	2.7600e-003	0.0000	9.5348

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.5000e-004	8.0400e-003			0.0223	1.2000e-004	0.0224	2.2900e-003	1.1000e-004	2.4000e-003			1.7283	1.0000e-005	0.0000	1.7285
Vendor	1.4000e-004	2.5600e-003			0.0358	6.0000e-005	0.0359	3.6100e-003	6.0000e-005	3.6700e-003			0.6197	0.0000	0.0000	0.6198
Worker	1.7000e-004	2.0000e-004			0.0195	0.0000	0.0195	2.0000e-003	0.0000	2.0000e-003			0.3419	2.0000e-005	0.0000	0.3422

Total	7.6000e-004	0.0108			0.0777	1.8000e-004	0.0779	7.9000e-003	1.7000e-004	8.0700e-003			2.6899	3.0000e-005	0.0000	2.6905
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3.63 Duct Bank Installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	6.1400e-003	0.0692				2.7400e-003	2.7400e-003		2.5400e-003	2.5400e-003			7.8513	2.3300e-003	0.0000	7.9003
Total	6.1400e-003	0.0692			8.0000e-004	2.7400e-003	3.5400e-003	9.0000e-005	2.5400e-003	2.6300e-003			7.8513	2.3300e-003	0.0000	7.9003

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	8.0000e-005			0.0263	0.0000	0.0263	2.6500e-003	0.0000	2.6500e-003			0.1282	1.0000e-005	0.0000	0.1283
Total	6.0000e-005	8.0000e-005			0.0263	0.0000	0.0263	2.6500e-003	0.0000	2.6500e-003			0.1282	1.0000e-005	0.0000	0.1283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.0000e-004	0.0000	3.0000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	6.1400e-003	0.0692				2.7400e-003	2.7400e-003		2.5400e-003	2.5400e-003			7.8513	2.3300e-003	0.0000	7.9003
Total	6.1400e-003	0.0692			3.0000e-004	2.7400e-003	3.0400e-003	3.0000e-005	2.5400e-003	2.5700e-003			7.8513	2.3300e-003	0.0000	7.9003

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	8.0000e-005			7.3300e-003	0.0000	7.3300e-003	7.5000e-004	0.0000	7.5000e-004			0.1282	1.0000e-005	0.0000	0.1283
Total	6.0000e-005	8.0000e-005			7.3300e-003	0.0000	7.3300e-003	7.5000e-004	0.0000	7.5000e-004			0.1282	1.0000e-005	0.0000	0.1283

3.64 UG Cable Installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	2.3700e-003	0.0270				1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003			2.5883	7.8000e-004	0.0000	2.6047

Total	2.3700e-003	0.0270			2.7000e-004	1.1800e-003	1.4500e-003	3.0000e-005	1.0900e-003	1.1200e-003			2.5883	7.8000e-004	0.0000	2.6047
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	3.0000e-005			0.0117	0.0000	0.0117	1.1800e-003	0.0000	1.1800e-003			0.0570	0.0000	0.0000	0.0570
Total	3.0000e-005	3.0000e-005			0.0117	0.0000	0.0117	1.1800e-003	0.0000	1.1800e-003			0.0570	0.0000	0.0000	0.057

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	2.3700e-003	0.0270				1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003			2.5883	7.8000e-004	0.0000	2.6047
Total	2.3700e-003	0.0270			1.0000e-004	1.1800e-003	1.2800e-003	1.0000e-005	1.0900e-003	1.1000e-003			2.5883	7.8000e-004	0.0000	2.6047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	3.0000e-005			3.2600e-003	0.0000	3.2600e-003	3.3000e-004	0.0000	3.3000e-004			0.0570	0.0000	0.0000	0.0570
Total	3.0000e-005	3.0000e-005			3.2600e-003	0.0000	3.2600e-003	3.3000e-004	0.0000	3.3000e-004			0.0570	0.0000	0.0000	0.057

3.65 Restoration - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3000e-004	0.0000	6.3000e-004	7.0000e-005	0.0000	7.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.2145				7.9400e-003	7.9400e-003		7.3000e-003	7.3000e-003			22.1111	6.6700e-003	0.0000	22.2511
Total	0.0175	0.2145			6.3000e-004	7.9400e-003	8.5700e-003	7.0000e-005	7.3000e-003	7.3700e-003			22.1111	6.6700e-003	0.0000	22.2511

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	5.7700e-003			0.2914	1.5000e-004	0.2916	0.0292	1.3000e-004	0.0293			1.3943	1.0000e-005	0.0000	1.3945
Worker	4.4000e-004	5.3000e-004			0.1842	1.0000e-005	0.1842	0.0185	1.0000e-005	0.0185			0.8974	5.0000e-005	0.0000	0.8983
Total	7.6000e-004	6.3000e-003			0.4756	1.6000e-004	0.4758	0.0477	1.4000e-004	0.0479			2.2917	6.0000e-005	0.0000	2.2928

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4000e-004	0.0000	2.4000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.2145				7.9400e-003	7.9400e-003		7.3000e-003	7.3000e-003			22.1110	6.6700e-003	0.0000	22.2511
Total	0.0175	0.2145			2.4000e-004	7.9400e-003	8.1800e-003	3.0000e-005	7.3000e-003	7.3300e-003			22.1110	6.6700e-003	0.0000	22.2511

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.2000e-004	5.7700e-003			0.0806	1.5000e-004	0.0808	8.1300e-003	1.3000e-004	8.2700e-003			1.3943	1.0000e-005	0.0000	1.3945
Worker	4.4000e-004	5.3000e-004			0.0513	1.0000e-005	0.0513	5.2500e-003	1.0000e-005	5.2600e-003			0.8974	5.0000e-005	0.0000	0.8983
Total	7.6000e-004	6.3000e-003			0.1319	1.6000e-004	0.1321	0.0134	1.4000e-004	0.0135			2.2917	6.0000e-005	0.0000	2.2928

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.474028	0.063287	0.180321	0.158861	0.070757	0.010543	0.013219	0.016605	0.000784	0.000665	0.005582	0.000318	0.005029

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000

Total		0.0000	0.0000	0.0000	0.0000
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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Santa Barbara County Reliability Project Ventura County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8	Operational Year		2016	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - power lines. no operational vehicle trips
- Construction Phase - based on client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - site info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info
- Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - (1) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) auger truck 210 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - (4) 4x4 truck; (4) manlift/bucket truck 250 hp; (2) boom/crane truck 350 hp; (1) dump truck 350 hp; (2) water truck 300 hp; (2) auger truck 210 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - site info

Off-road Equipment - (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) auger truck 210 hp; (1) backhoe/front loader 125 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - (4) 4x4 truck 300 hp; (4) manlift 250 hp; (2) crane truck 350 hp; (1) dump truck 350 hp; (2) water truck 300 hp; (2) wire truck 350 hp; (1) sl puller 300 hp; (1) bw puller 350 hp; (1) static truck 350 hp; (1) loader 125 hp; (2) lowboy truck 450 hp

Off-road Equipment - same as install conductor

Off-road Equipment - (1) boom/crane truck 350 hp; (1) backhoe/front loader 125 hp; (1) auger truck 210 hp; (1) water truck 300 hp; (1) dump truck 350 hp; (3) concrete mixer truck 350 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) Backhoe/front loader; (1) dump truck 350 hp; (1) excavator 250 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) R/T crane 215 hp; (1) boom/crane truck 350 hp; (1) flat bed truck/trailer 400 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - (1) R/T Forklift 125 hp; (1) Boom/Crane Truck 350 hp; (1) Semi Tractor Truck 400 hp

Off-road Equipment - 1 diesel 4x4 truck; 1 R/T forklift; 1 boom/crane truck; 1 water truck; 1 semi tractor truck

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - (1) Backhoe/Front loader 125 hp; (1) Track type dozer 150 hp; (1) motor grader 250 hp; (1) lowboy truck/trailer 450 hp; (1) 4x4 truck 300 hp; (1) water truck 300 hp

Off-road Equipment - (4) 4x4 trucks; (4) manlift/bucket truck 250 hp; (2) boom/crane truck 350 hp; (1) bull whell puller 350 hp; (1) sock line puller 300 hp; (2) water truck 300 hp; (1) static truck/tensioner 350 hp; (2) lowboy truck/trailer

Off-road Equipment - (1) backhoe/front loader 125 hp; (1) grader 250 hp; (1) drum type compactor 100 hp; (1) lowboy truck/trailer 450 hp

Off-road Equipment - client info

Off-road Equipment - (2) 4x4 truck 300 hp; (1) brusher 110 hp; (1) chipper 50 hp; (1) loader 125 hp; (1) track type dozer 150 hp; (1) motor grader 250 hp; (2) water truck 300 hp; (1) compactor 100 hp; (1) excavator 250 hp; (1) lowboy truck 450 hp

Off-road Equipment - site info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

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Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - client info

Off-road Equipment - No diesel equipment

Off-road Equipment - 1 dump truck; 1 truck; 1 chipper

Off-road Equipment - (2) 4x4 truck; (1) compressor trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) 4x4 truck; (1) Compressor Trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - (1) bucket truck 250 hp; (1) crane truck 350 hp; (2) wire truck 350 hp; (1) puller 350 hp; (1) static truck 350 hp

Off-road Equipment - (2) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - site info

Trips and VMT - based on client info - vendor truck represents construction 4x4 truck. Assumes truck travels 10 miles per hour.

On-road Fugitive Dust - site info

Demolition -

Grading - site info

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Construction Off-road Equipment Mitigation - APMs

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	250
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	75	250
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	16
tblConstEquipMitigation	FuelType	Diesel	CNG
tblConstEquipMitigation	FuelType	Diesel	CNG
tblConstEquipMitigation	FuelType	Diesel	Bio-diesel
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	16.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstructionPhase	NumDays	0.00	12.00
tblConstructionPhase	NumDays	0.00	169.00
tblConstructionPhase	NumDays	0.00	88.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	9.00
tblConstructionPhase	NumDays	0.00	20.00
tblConstructionPhase	NumDays	0.00	28.00
tblConstructionPhase	NumDays	0.00	14.00
tblConstructionPhase	NumDays	0.00	14.00
tblConstructionPhase	NumDays	0.00	150.00
tblConstructionPhase	NumDays	0.00	120.00
tblConstructionPhase	NumDays	0.00	70.00

tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	45.00
tblConstructionPhase	NumDays	0.00	44.00
tblConstructionPhase	NumDays	0.00	89.00
tblConstructionPhase	NumDays	0.00	85.00
tblConstructionPhase	NumDays	0.00	50.00
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tblConstructionPhase	NumDays	0.00	3.00
tblConstructionPhase	NumDays	0.00	3.00
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tblConstructionPhase	NumDays	0.00	3.00
tblConstructionPhase	NumDays	0.00	2.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	8.00
tblConstructionPhase	NumDays	0.00	3.00
tblConstructionPhase	NumDays	0.00	3.00
tblConstructionPhase	NumDays	0.00	3.00
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tblConstructionPhase	NumDays	0.00	50.00
tblConstructionPhase	NumDays	0.00	70.00
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tblConstructionPhase	NumDays	0.00	100.00
tblConstructionPhase	NumDays	0.00	25.00

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tblConstructionPhase	NumDays	0.00	25.00
tblConstructionPhase	NumDays	0.00	25.00
tblConstructionPhase	NumDays	0.00	10.00
tblConstructionPhase	NumDays	0.00	10.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	21.00
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tblConstructionPhase	NumDays	0.00	17.00
tblConstructionPhase	NumDays	0.00	4.00
tblConstructionPhase	NumDays	0.00	17.00
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tblConstructionPhase	PhaseEndDate	9/1/2016	10/26/2015
tblConstructionPhase	PhaseEndDate	10/30/2015	6/30/2015
tblConstructionPhase	PhaseEndDate	7/15/2015	7/16/2015
tblConstructionPhase	PhaseEndDate	7/21/2016	7/20/2016
tblConstructionPhase	PhaseEndDate	5/13/2015	4/23/2015
tblConstructionPhase	PhaseEndDate	9/7/2016	2/16/2015
tblConstructionPhase	PhaseEndDate	10/12/2015	1/13/2016
tblConstructionPhase	PhaseEndDate	9/16/2015	9/13/2015
tblConstructionPhase	PhaseEndDate	12/18/2015	7/11/2015
tblConstructionPhase	PhaseEndDate	1/28/2015	1/8/2015
tblConstructionPhase	PhaseEndDate	3/3/2016	7/15/2015
tblConstructionPhase	PhaseEndDate	7/28/2015	7/14/2015
tblConstructionPhase	PhaseEndDate	11/16/2015	9/17/2015

tblConstructionPhase	PhaseEndDate	1/14/2016	9/16/2015
tblConstructionPhase	PhaseEndDate	11/25/2015	8/5/2015
tblConstructionPhase	PhaseEndDate	6/20/2016	5/2/2016
tblConstructionPhase	PhaseEndDate	1/14/2015	1/8/2015
tblConstructionPhase	PhaseEndDate	7/1/2015	6/25/2015
tblConstructionPhase	PhaseEndDate	6/30/2015	6/29/2015
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tblConstructionPhase	PhaseEndDate	1/14/2015	1/8/2015
tblConstructionPhase	PhaseEndDate	6/10/2016	5/22/2016
tblConstructionPhase	PhaseEndDate	6/24/2016	2/27/2016
tblConstructionPhase	PhaseEndDate	4/1/2016	3/25/2016
tblConstructionPhase	PhaseEndDate	4/29/2016	4/2/2016
tblConstructionPhase	PhaseEndDate	5/6/2016	5/1/2016
tblConstructionPhase	PhaseEndDate	5/13/2016	4/16/2016

tblConstructionPhase	PhaseEndDate	4/29/2016	4/30/2016
tblConstructionPhase	PhaseEndDate	5/5/2016	5/29/2016
tblConstructionPhase	PhaseEndDate	1/14/2015	1/8/2015
tblConstructionPhase	PhaseEndDate	7/7/2016	7/9/2016
tblConstructionPhase	PhaseEndDate	8/18/2016	8/20/2016
tblConstructionPhase	PhaseEndDate	1/14/2015	1/8/2015
tblConstructionPhase	PhaseEndDate	2/2/2015	1/27/2015
tblConstructionPhase	PhaseEndDate	1/27/2016	3/29/2015
tblConstructionPhase	PhaseEndDate	4/16/2015	4/4/2015
tblConstructionPhase	PhaseEndDate	8/25/2015	6/17/2015
tblConstructionPhase	PhaseEndDate	7/29/2015	5/27/2015
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tblConstructionPhase	PhaseStartDate	8/19/2016	1/28/2015
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tblConstructionPhase	PhaseStartDate	9/14/2015	4/5/2015
tblConstructionPhase	PhaseStartDate	1/23/2015	1/5/2015
tblConstructionPhase	PhaseStartDate	1/1/2016	5/14/2015
tblConstructionPhase	PhaseStartDate	5/28/2015	5/16/2015
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tblConstructionPhase	PhaseStartDate	9/18/2015	5/21/2015
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tblConstructionPhase	PhaseStartDate	6/30/2015	6/28/2015
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tblConstructionPhase	PhaseStartDate	1/4/2016	10/15/2015
tblConstructionPhase	PhaseStartDate	12/24/2015	10/18/2015
tblConstructionPhase	PhaseStartDate	1/9/2015	1/5/2015
tblConstructionPhase	PhaseStartDate	1/24/2016	1/4/2016
tblConstructionPhase	PhaseStartDate	5/23/2016	1/24/2016
tblConstructionPhase	PhaseStartDate	2/28/2016	2/22/2016
tblConstructionPhase	PhaseStartDate	3/26/2016	2/28/2016
tblConstructionPhase	PhaseStartDate	4/3/2016	3/28/2016
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tblGrading	AcresOfGrading	10.50	78.75
tblGrading	AcresOfGrading	7.00	8.25
tblGrading	AcresOfGrading	0.00	7.00
tblGrading	AcresOfGrading	0.25	1.20
tblGrading	AcresOfGrading	0.00	22.00
tblGrading	AcresOfGrading	0.00	44.50
tblGrading	AcresOfGrading	0.00	44.50
tblGrading	AcresOfGrading	0.00	15.00
tblGrading	AcresOfGrading	0.25	0.85
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	1.00
tblGrading	AcresOfGrading	0.00	0.50
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	1.50
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tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	6.38	1.13

tblGrading	AcresOfGrading	2.00	1.00
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tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
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tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	174.00	162.00
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tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00

tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
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tblOffRoadEquipment	HorsePower	255.00	358.00
tblOffRoadEquipment	HorsePower	97.00	75.00
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tblOnRoadDust	HaulingPercentPave	100.00	90.00
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tblOnRoadDust	WorkerPercentPave	100.00	90.00
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tblProjectCharacteristics	OperationalYear	2014	2016
tblTripsAndVMT	HaulingTripNumber	475.00	448.00
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tblTripsAndVMT	WorkerTripNumber	15.00	24.00
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tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblTripsAndVMT	WorkerTripNumber	58.00	40.00
tblTripsAndVMT	WorkerTripNumber	43.00	12.00
tblTripsAndVMT	WorkerTripNumber	33.00	12.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00
tblTripsAndVMT	WorkerTripNumber	20.00	14.00
tblTripsAndVMT	WorkerTripNumber	15.00	26.00
tblTripsAndVMT	WorkerTripNumber	18.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	71.2902	817.3886			1,129.025 5	33.9069	1,162.480 5	113.3190	31.2849	144.2108			90,509.692 1	25.2767	0.0000	91,040.50 32
2016	15.7882	177.2516			312.0207	7.2147	319.2355	31.3057	6.6537	37.9594			22,329.413 4	6.2574	0.0000	22,460.81 82
Total	87.0784	994.6402			1,441.05	41.1217	1,481.72	144.6247	37.9386	182.1701			112,839.11	31.5341	0	#####

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2015	71.2902	817.3885			313.6231	33.9069	347.0780	31.8290	31.2849	62.7207			90,509.692 1	25.2767	0.0000	91,040.50 31

2016	15.7882	177.2516			86.5634	7.2147	93.7781	8.7789	6.6537	15.4326			22,329.413 3	6.2574	0.0000	22,460.81 82
Total	87.0784	994.6402			400.1864	41.1217	440.8561	40.6079	37.9386	78.1533			112,839.11	31.5341	0	#####

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0	0	0	0	72.23	0	70.25	71.92	0	57.1	0	0	0	0	0	0

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Energy	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Total	0	0			0	0	0	0	0	0			0	0	0	0

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Energy	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mobile	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Total	0	0			0	0	0	0	0	0			0	0	0	0

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Carpinteria Material Yards	Site Preparation	1/5/2015	1/22/2015	5	14	
2	Y Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
3	Hwy 150A Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
4	Hwy 150B Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
5	Hwy 150C Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
6	Hwy 150D Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
7	Santa Ana Material Yard	Site Preparation	1/5/2015	1/8/2015	5	4	
8	Survey	Site Preparation	1/5/2015	1/27/2015	5	17	Subtransmission Activity1
9	Material Staging Yards	Site Preparation	1/28/2015	8/18/2016	5	407	Subtransmission Activity2
10	Tree Trimming	Site Preparation	1/28/2015	2/16/2015	5	14	Subtransmission Activity3
11	R/W Clearing	Grading	2/17/2015	3/16/2015	5	20	Subtransmission Activity4
12	Retaining Wall Structures	Site Preparation	3/13/2015	1/13/2016	5	150	Retaining Wall
13	Carpinteria Civil	Trenching	3/16/2015	3/29/2015	5	10	Substation Activity1
14	Santa Clara Civil	Trenching	3/16/2015	4/4/2015	5	14	Substation Activity5
15	Roads and Landing Work	Grading	3/17/2015	4/23/2015	5	28	Subtransmission Activity5
16	Guard Structure Installation	Building Construction	3/17/2015	4/1/2015	5	12	Subtransmission Activity6
17	Carpinteria Electrical	Site Preparation	3/30/2015	9/13/2015	5	120	Substation Activity2
18	Santa Clara Electrical	Site Preparation	4/5/2015	7/11/2015	5	70	Substation Activity6

19	Remove Existing Conductor	Trenching	5/5/2015	6/17/2015	5	32	Subtransmission Activity7
20	Install TSP foundation	Building Construction	5/11/2015	12/31/2015	5	169	Subtransmission Activity8
21	TSP Haul	Site Preparation	5/14/2015	7/15/2015	5	45	Subtransmission Activity9
22	Casitas Civil	Trenching	5/14/2015	5/27/2015	5	10	Substation Activity9
23	Install Conductor	Site Preparation	5/16/2015	7/14/2015	5	44	Subtransmission Activity10
24	TSP Assembly	Site Preparation	5/18/2015	9/17/2015	5	89	Subtransmission Activity11
25	TSP Erection	Site Preparation	5/21/2015	9/16/2015	5	85	Subtransmission Activity12
26	Casitas Electrical	Site Preparation	5/28/2015	8/5/2015	5	50	Substation Activity10
27	LST Removal	Site Preparation	6/18/2015	5/2/2016	5	228	Subtransmission Activity13
28	LST Foundation Removal	Demolition	6/25/2015	10/26/2015	5	88	Subtransmission Activity14
29	Seg4 Remove Existing Conductor & CW	Demolition	6/25/2015	6/30/2015	5	4	Seg 4 Remove Activity1
30	Site 132 Brushing, Roads & Landing Work	Site Preparation	6/25/2015	6/25/2015	5	1	Seg 4 Activity 01
31	Site 128 Brushing, Roads & Landing Work	Site Preparation	6/25/2015	6/29/2015	5	3	Seg 4 Activity 05
32	Site 99 Install J-Tower Foundations	Site Preparation	6/25/2015	6/27/2015	5	3	Seg 4 Activity 09
33	Site 97 Install J-Tower Footings	Site Preparation	6/25/2015	6/27/2015	5	3	Seg 4 Activity 11
34	Site 132 LST Removal	Site Preparation	6/26/2015	6/29/2015	5	2	Seg 4 Activity 02
35	Site 99 J-Tower Assembly & Erection	Site Preparation	6/28/2015	6/29/2015	5	1	Seg 4 Activity 10
36	Site 97 J-Tower Assembly & Erection	Site Preparation	6/28/2015	7/1/2015	5	3	Seg 4 Activity 12
37	Site 132 Install J-Tower Footings	Site Preparation	6/30/2015	7/2/2015	5	3	Seg 4 Activity 03
38	Site 128 LST Removal	Site Preparation	6/30/2015	7/1/2015	5	2	Seg 4 Activity 06
39	Wood Pole Removal	Site Preparation	7/1/2015	7/6/2015	5	4	Subtransmission Activity15
40	Seg 4 LST Removal	Site Preparation	7/1/2015	7/10/2015	5	8	Seg 4 Remove Activity2
41	Site 128 Install J-Tower Footings	Site Preparation	7/2/2015	7/6/2015	5	3	Seg 4 Activity 07
42	Site 132 J-Tower Assembly & Erection	Site Preparation	7/3/2015	7/7/2015	5	3	Seg 4 Activity 04
43	Site 128 J-Tower Assembly & Erection	Site Preparation	7/7/2015	7/9/2015	5	3	Seg 4 Activity 08
44	Seg 4 LST Foundation Removal	Demolition	7/11/2015	7/16/2015	5	4	Seg 4 Remove Activity3
45	Santa Clara Maintenance	Site Preparation	7/12/2015	10/17/2015	5	70	Substation Activity7
46	Casitas Maintenece	Site Preparation	8/6/2015	10/14/2015	5	50	Substation Activity11
47	Carpinteria Maintenance	Site Preparation	9/14/2015	1/3/2016	5	80	Substation Activity3
48	Casitas Test	Site Preparation	10/15/2015	12/23/2015	5	50	Substation Activity12
49	Santa Clara Test	Site Preparation	10/18/2015	1/23/2016	5	70	Substation Activity8

50	Carpinteria Test	Site Preparation	1/4/2016	5/22/2016	5	100	Substation Activity4
51	Golita Electrical	Site Preparation	1/24/2016	2/27/2016	5	25	Substation Activity13
52	Santa Barbara Electrical	Site Preparation	2/22/2016	3/25/2016	5	25	Substation Activity15
53	Golita Test	Site Preparation	2/28/2016	4/2/2016	5	25	Substation Activity14
54	Santa Barbara Test	Site Preparation	3/28/2016	5/1/2016	5	25	Substation Activity16
55	Ortega Electrical	Site Preparation	4/3/2016	4/16/2016	5	10	Substation Activity17
56	Ortega Test	Site Preparation	4/17/2016	4/30/2016	5	10	Substation Activity18
57	LWS Pole Haul	Site Preparation	5/24/2016	5/29/2016	5	4	Subtransmission Activity16
58	LWS Pole Assembly	Site Preparation	5/30/2016	6/2/2016	5	4	Subtransmission Activity17
59	Instal LWS Pole	Site Preparation	6/5/2016	6/8/2016	5	4	Subtransmission Activity18
60	Install PRGW&FRC	Site Preparation	6/9/2016	7/9/2016	5	21	Subtransmission Activity19
61	Guard Structure Removal	Demolition	7/10/2016	7/20/2016	5	9	Subtransmission Activity20
62	Duct Bank Installation	Site Preparation	7/21/2016	7/25/2016	5	3	Subtransmission Activity21
63	UG Cable Installation	Site Preparation	7/26/2016	7/26/2016	5	1	Subtransmission Activity22
64	Restoration	Site Preparation	7/27/2016	8/20/2016	5	17	Subtransmission Activity23

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Carpinteria Material Yards	Bore/Drill Rigs	1	6.00	85	0.50
Carpinteria Material Yards	Graders	0	8.00	174	0.41
Carpinteria Material Yards	Graders	1	8.00	250	0.41
Carpinteria Material Yards	Off-Highway Trucks	1	2.00	450	0.38
Carpinteria Material Yards	Off-Highway Trucks	1	8.00	300	0.38
Carpinteria Material Yards	Plate Compactors	1	8.00	100	0.43
Carpinteria Material Yards	Rubber Tired Dozers	1	8.00	150	0.40
Carpinteria Material Yards	Rubber Tired Loaders	1	8.00	250	0.36

Carpinteria Material Yards	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Y Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Y Material Yard	Graders	0	8.00	174	0.41
Y Material Yard	Graders	1	1.00	250	0.41
Y Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Y Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Y Material Yard	Plate Compactors	1	1.00	100	0.43
Y Material Yard	Rubber Tired Dozers	1	1.00	150	0.40
Y Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150A Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150A Material Yard	Graders	0	8.00	174	0.41
Hwy 150A Material Yard	Graders	1	1.00	250	0.41
Hwy 150A Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Hwy 150A Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150A Material Yard	Plate Compactors	1	1.00	100	0.43
Hwy 150A Material Yard	Rubber Tired Dozers	1	1.00	150	0.40
Hwy 150A Material Yard	Rubber Tired Loaders	1	8.00	250	0.36
Hwy 150A Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150B Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150B Material Yard	Graders	0	8.00	174	0.41
Hwy 150B Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150B Material Yard	Plate Compactors	1	2.00	100	0.43
Hwy 150B Material Yard	Rubber Tired Dozers	1	2.00	150	0.40
Hwy 150B Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150C Material Yard	Bore/Drill Rigs	1	2.00	85	0.50
Hwy 150C Material Yard	Graders	0	8.00	174	0.41
Hwy 150C Material Yard	Off-Highway Trucks	1	4.00	300	0.38
Hwy 150C Material Yard	Plate Compactors	1	2.00	100	0.43
Hwy 150C Material Yard	Rubber Tired Dozers	1	2.00	150	0.40
Hwy 150C Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hwy 150D Material Yard	Bore/Drill Rigs	1	6.00	85	0.50

Hwy 150D Material Yard	Graders	0	8.00	174	0.41
Hwy 150D Material Yard	Graders	1	8.00	250	0.41
Hwy 150D Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Hwy 150D Material Yard	Off-Highway Trucks	1	8.00	300	0.38
Hwy 150D Material Yard	Plate Compactors	1	8.00	100	0.43
Hwy 150D Material Yard	Rubber Tired Dozers	1	8.00	150	0.40
Hwy 150D Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Santa Ana Material Yard	Bore/Drill Rigs	1	6.00	85	0.50
Santa Ana Material Yard	Graders	0	8.00	174	0.41
Santa Ana Material Yard	Graders	1	8.00	250	0.41
Santa Ana Material Yard	Off-Highway Trucks	1	2.00	450	0.38
Santa Ana Material Yard	Off-Highway Trucks	1	8.00	300	0.38
Santa Ana Material Yard	Plate Compactors	1	8.00	100	0.43
Santa Ana Material Yard	Rubber Tired Dozers	1	8.00	150	0.40
Santa Ana Material Yard	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Survey	Graders	1	0.00	162	0.41
Survey	Off-Highway Trucks	1	0.00	300	0.38
Survey	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Material Staging Yards	Cranes	1	2.00	350	0.29
Material Staging Yards	Forklifts	1	6.00	125	0.20
Material Staging Yards	Graders	1	0.00	162	0.41
Material Staging Yards	Off-Highway Trucks	1	4.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	8.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	2.00	400	0.38
Material Staging Yards	Tractors/Loaders/Backhoes	1	0.00	160	0.37
Tree Trimming	Graders	1	0.00	162	0.41
Tree Trimming	Off-Highway Trucks	1	8.00	380	0.38
Tree Trimming	Off-Highway Trucks	1	8.00	300	0.38
Tree Trimming	Other General Industrial Equipment	1	4.00	50	0.34
Tree Trimming	Tractors/Loaders/Backhoes	1	0.00	75	0.37
R/W Clearing	Concrete/Industrial Saws	1	0.00	81	0.73

R/W Clearing	Cranes	1	0.00	350	0.29
R/W Clearing	Forklifts	1	0.00	125	0.20
R/W Clearing	Graders	1	6.00	250	0.41
R/W Clearing	Off-Highway Trucks	1	4.00	450	0.38
R/W Clearing	Off-Highway Trucks	1	8.00	300	0.38
R/W Clearing	Off-Highway Trucks	1	8.00	300	0.38
R/W Clearing	Rubber Tired Dozers	1	0.00	358	0.40
R/W Clearing	Tractors/Loaders/Backhoes	1	6.00	125	0.37
R/W Clearing	Tractors/Loaders/Backhoes	1	6.00	150	0.37
Retaining Wall Structures	Excavators	5	4.00	70	0.38
Retaining Wall Structures	Graders	0	8.00	174	0.41
Retaining Wall Structures	Off-Highway Trucks	6	4.00	300	0.38
Retaining Wall Structures	Off-Highway Trucks	5	6.00	350	0.38
Retaining Wall Structures	Off-Highway Trucks	5	8.00	300	0.38
Retaining Wall Structures	Off-Highway Trucks	2	4.00	450	0.38
Retaining Wall Structures	Tractors/Loaders/Backhoes	5	4.00	125	0.37
Carpinteria Civil	Bore/Drill Rigs	1	6.00	305	0.50
Carpinteria Civil	Cranes	1	4.00	180	0.29
Carpinteria Civil	Forklifts	1	2.00	75	0.20
Carpinteria Civil	Graders	1	0.00	162	0.41
Carpinteria Civil	Off-Highway Trucks	2	2.00	180	0.38
Carpinteria Civil	Off-Highway Trucks	1	6.00	180	0.38
Carpinteria Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Carpinteria Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37
Carpinteria Civil	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Santa Clara Civil	Forklifts	1	2.00	75	0.20
Santa Clara Civil	Graders	1	0.00	162	0.41
Santa Clara Civil	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Civil	Off-Highway Trucks	1	6.00	180	0.38
Santa Clara Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37

Roads and Landing Work	Concrete/Industrial Saws	1	0.00	81	0.73
Roads and Landing Work	Cranes	1	2.00	350	0.29
Roads and Landing Work	Excavators	1	4.00	250	0.38
Roads and Landing Work	Forklifts	1	6.00	125	0.20
Roads and Landing Work	Graders	1	6.00	250	0.41
Roads and Landing Work	Off-Highway Trucks	1	4.00	450	0.38
Roads and Landing Work	Off-Highway Trucks	1	2.00	400	0.38
Roads and Landing Work	Off-Highway Trucks	2	8.00	300	0.38
Roads and Landing Work	Other Construction Equipment	1	8.00	110	0.42
Roads and Landing Work	Other General Industrial Equipment	1	8.00	50	0.34
Roads and Landing Work	Plate Compactors	1	6.00	100	0.43
Roads and Landing Work	Rubber Tired Dozers	1	0.00	358	0.40
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	125	0.37
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	150	0.37
Guard Structure Installation	Air Compressors	1	4.00	60	0.48
Guard Structure Installation	Bore/Drill Rigs	1	4.00	210	0.50
Guard Structure Installation	Cranes	1	6.00	350	0.29
Guard Structure Installation	Cranes	1	0.00	350	0.29
Guard Structure Installation	Forklifts	1	0.00	125	0.20
Guard Structure Installation	Off-Highway Trucks	1	4.00	250	0.38
Guard Structure Installation	Off-Highway Trucks	1	8.00	400	0.38
Guard Structure Installation	Off-Highway Trucks	1	0.00	400	0.38
Guard Structure Installation	Off-Highway Trucks	1	8.00	300	0.38
Guard Structure Installation	Tractors/Loaders/Backhoes	2	0.00	75	0.37
Carpinteria Electrical	Aerial Lifts	2	6.00	75	0.31
Carpinteria Electrical	Cranes	1	4.00	180	0.29
Carpinteria Electrical	Cranes	1	6.00	250	0.29
Carpinteria Electrical	Forklifts	1	2.00	75	0.20
Carpinteria Electrical	Graders	1	0.00	162	0.41
Carpinteria Electrical	Off-Highway Trucks	1	2.00	180	0.38
Carpinteria Electrical	Off-Highway Trucks	1	2.00	180	0.38

Carpinteria Electrical	Off-Highway Trucks	2	2.00	180	0.38
Carpinteria Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Electrical	Aerial Lifts	2	6.00	75	0.31
Santa Clara Electrical	Cranes	1	6.00	180	0.29
Santa Clara Electrical	Forklifts	1	2.00	75	0.20
Santa Clara Electrical	Graders	1	0.00	162	0.41
Santa Clara Electrical	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Electrical	Off-Highway Trucks	2	2.00	180	0.38
Santa Clara Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Remove Existing Conductor	Cranes	2	8.00	350	0.29
Remove Existing Conductor	Cranes	1	0.00	350	0.29
Remove Existing Conductor	Forklifts	1	0.00	125	0.20
Remove Existing Conductor	Off-Highway Trucks	4	8.00	250	0.38
Remove Existing Conductor	Off-Highway Trucks	1	1.00	350	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	450	0.38
Remove Existing Conductor	Off-Highway Trucks	1	0.00	400	0.38
Remove Existing Conductor	Off-Highway Trucks	4	4.00	300	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	300	0.38
Remove Existing Conductor	Other Construction Equipment	1	6.00	350	0.42
Remove Existing Conductor	Other Construction Equipment	1	6.00	300	0.42
Install TSP foundation	Bore/Drill Rigs	1	6.00	125	0.50
Install TSP foundation	Cement and Mortar Mixers	3	2.00	350	0.56
Install TSP foundation	Cranes	1	0.00	350	0.29
Install TSP foundation	Cranes	1	4.00	350	0.29
Install TSP foundation	Forklifts	1	0.00	125	0.20
Install TSP foundation	Off-Highway Trucks	1	4.00	350	0.38
Install TSP foundation	Off-Highway Trucks	1	0.00	400	0.38
Install TSP foundation	Off-Highway Trucks	1	8.00	300	0.38
Install TSP foundation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
TSP Haul	Cranes	1	6.00	350	0.29
TSP Haul	Cranes	1	2.00	350	0.29

TSP Haul	Forklifts	1	6.00	125	0.20
TSP Haul	Graders	1	8.00	162	0.41
TSP Haul	Off-Highway Trucks	1	8.00	400	0.38
TSP Haul	Off-Highway Trucks	1	2.00	400	0.38
TSP Haul	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Casitas Civil	Bore/Drill Rigs	1	6.00	305	0.50
Casitas Civil	Cranes	1	4.00	180	0.29
Casitas Civil	Forklifts	1	2.00	75	0.20
Casitas Civil	Graders	1	0.00	162	0.41
Casitas Civil	Off-Highway Trucks	2	2.00	180	0.38
Casitas Civil	Off-Highway Trucks	1	6.00	180	0.38
Casitas Civil	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Civil	Tractors/Loaders/Backhoes	1	6.00	85	0.37
Casitas Civil	Tractors/Loaders/Backhoes	1	6.00	75	0.37
Install Conductor	Cranes	2	8.00	350	0.29
Install Conductor	Cranes	1	0.00	350	0.29
Install Conductor	Forklifts	1	0.00	125	0.20
Install Conductor	Graders	1	0.00	162	0.41
Install Conductor	Off-Highway Trucks	4	8.00	250	0.38
Install Conductor	Off-Highway Trucks	1	2.00	350	0.38
Install Conductor	Off-Highway Trucks	2	6.00	350	0.38
Install Conductor	Off-Highway Trucks	1	6.00	350	0.38
Install Conductor	Off-Highway Trucks	2	4.00	450	0.38
Install Conductor	Off-Highway Trucks	1	0.00	400	0.38
Install Conductor	Off-Highway Trucks	4	8.00	300	0.38
Install Conductor	Off-Highway Trucks	2	8.00	300	0.38
Install Conductor	Other Construction Equipment	1	6.00	300	0.42
Install Conductor	Other Construction Equipment	1	6.00	350	0.42
Install Conductor	Tractors/Loaders/Backhoes	1	2.00	125	0.37
TSP Assembly	Air Compressors	1	6.00	60	0.48
TSP Assembly	Cranes	1	8.00	350	0.29

TSP Assembly	Cranes	1	0.00	350	0.29
TSP Assembly	Forklifts	1	0.00	125	0.20
TSP Assembly	Graders	1	0.00	162	0.41
TSP Assembly	Off-Highway Trucks	2	4.00	300	0.38
TSP Assembly	Tractors/Loaders/Backhoes	1	0.00	75	0.37
TSP Erection	Air Compressors	1	4.00	60	0.48
TSP Erection	Cranes	1	0.00	350	0.29
TSP Erection	Cranes	1	8.00	350	0.29
TSP Erection	Forklifts	1	0.00	125	0.20
TSP Erection	Graders	1	0.00	162	0.41
TSP Erection	Off-Highway Trucks	2	4.00	300	0.38
TSP Erection	Off-Highway Trucks	1	0.00	400	0.38
TSP Erection	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Electrical	Aerial Lifts	2	6.00	75	0.31
Casitas Electrical	Cranes	1	4.00	180	0.29
Casitas Electrical	Forklifts	1	2.00	75	0.20
Casitas Electrical	Graders	1	0.00	162	0.41
Casitas Electrical	Off-Highway Trucks	1	2.00	180	0.38
Casitas Electrical	Off-Highway Trucks	1	2.00	180	0.38
Casitas Electrical	Off-Highway Trucks	2	2.00	180	0.38
Casitas Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LST Removal	Air Compressors	1	8.00	60	0.48
LST Removal	Cranes	1	6.00	215	0.29
LST Removal	Cranes	1	6.00	350	0.29
LST Removal	Cranes	1	0.00	350	0.29
LST Removal	Forklifts	1	0.00	125	0.20
LST Removal	Graders	1	0.00	162	0.41
LST Removal	Off-Highway Trucks	1	4.00	400	0.38
LST Removal	Off-Highway Trucks	1	0.00	400	0.38
LST Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LST Foundation Removal	Air Compressors	1	8.00	60	0.48

LST Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
LST Foundation Removal	Excavators	1	4.00	250	0.38
LST Foundation Removal	Off-Highway Trucks	1	6.00	350	0.38
LST Foundation Removal	Rubber Tired Dozers	1	0.00	358	0.40
LST Foundation Removal	Tractors/Loaders/Backhoes	1	6.00	125	0.37
Seg4 Remove Existing Conductor & GW	Concrete/Industrial Saws	0	8.00	81	0.73
Seg4 Remove Existing Conductor & GW	Cranes	2	8.00	350	0.29
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	4	4.00	300	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	4	8.00	250	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	2	4.00	300	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	1	6.00	350	0.38
Seg4 Remove Existing Conductor & GW	Off-Highway Trucks	2	4.00	450	0.38
Seg4 Remove Existing Conductor & GW	Other General Industrial Equipment	1	6.00	350	0.34
Seg4 Remove Existing Conductor & GW	Other General Industrial Equipment	1	6.00	300	0.34
Seg4 Remove Existing Conductor & GW	Rubber Tired Dozers	0	1.00	255	0.40
Seg4 Remove Existing Conductor & GW	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site 132 Brushing, Roads & Landing	Graders	0	8.00	174	0.41
Work					
Site 132 Brushing, Roads & Landing	Off-Highway Trucks	1	6.00	300	0.38
Work					
Site 132 Brushing, Roads & Landing	Off-Highway Trucks	1	8.00	300	0.38
Work					
Site 132 Brushing, Roads & Landing	Other Construction Equipment	1	8.00	50	0.42
Work					
Site 132 Brushing, Roads & Landing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Work					
Site 128 Brushing, Roads & Landing	Excavators	2	3.00	70	0.38
Work					
Site 128 Brushing, Roads & Landing	Graders	0	8.00	174	0.41
Work					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	2	6.00	300	0.38
Work					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	6.00	350	0.38
Work					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	8.00	300	0.38
Work					
Site 128 Brushing, Roads & Landing	Off-Highway Trucks	1	4.00	450	0.38
Work					
Site 128 Brushing, Roads & Landing	Other Construction Equipment	1	4.00	110	0.42
Work					
Site 128 Brushing, Roads & Landing	Other Construction Equipment	1	8.00	50	0.42
Work					
Site 128 Brushing, Roads & Landing	Rubber Tired Loaders	1	6.00	150	0.36
Work					
Site 128 Brushing, Roads & Landing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Work					

Site 99 Install J-Tower Foundations	Excavators	1	3.00	70	0.38
Site 99 Install J-Tower Foundations	Graders	0	8.00	174	0.41
Site 99 Install J-Tower Foundations	Off-Highway Trucks	2	8.00	300	0.38
Site 99 Install J-Tower Foundations	Off-Highway Trucks	1	8.00	350	0.38
Site 99 Install J-Tower Foundations	Off-Highway Trucks	3	2.00	350	0.38
Site 99 Install J-Tower Foundations	Rubber Tired Loaders	2	6.00	250	0.36
Site 99 Install J-Tower Foundations	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 97 Install J-Tower Footings	Air Compressors	1	6.00	60	0.48
Site 97 Install J-Tower Footings	Excavators	1	6.00	70	0.38
Site 97 Install J-Tower Footings	Forklifts	1	7.00	125	0.20
Site 97 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 97 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	6.00	300	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 97 Install J-Tower Footings	Off-Highway Trucks	1	2.00	350	0.38
Site 97 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 97 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 LST Removal	Air Compressors	1	8.00	60	0.48
Site 132 LST Removal	Graders	0	8.00	174	0.41
Site 132 LST Removal	Off-Highway Trucks	1	8.00	300	0.38
Site 132 LST Removal	Off-Highway Trucks	1	4.00	350	0.38
Site 132 LST Removal	Off-Highway Trucks	1	4.00	400	0.38
Site 132 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 99 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 99 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 99 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 99 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 99 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Site 97 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 97 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 97 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 97 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 97 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	400	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	2	8.00	300	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 132 Install J-Tower Footings	Off-Highway Trucks	3	3.00	350	0.38
Site 132 Install J-Tower Footings	Rubber Tired Loaders	2	6.00	250	0.36
Site 132 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 LST Removal	Air Compressors	1	8.00	60	0.48
Site 128 LST Removal	Graders	0	8.00	174	0.41
Site 128 LST Removal	Off-Highway Trucks	1	8.00	300	0.38
Site 128 LST Removal	Off-Highway Trucks	1	4.00	350	0.38
Site 128 LST Removal	Off-Highway Trucks	1	4.00	400	0.38
Site 128 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Wood Pole Removal	Air Compressors	1	5.00	60	0.48
Wood Pole Removal	Cranes	1	9.00	350	0.29
Wood Pole Removal	Cranes	1	0.00	350	0.29
Wood Pole Removal	Forklifts	1	0.00	125	0.20
Wood Pole Removal	Graders	1	0.00	162	0.41
Wood Pole Removal	Off-Highway Trucks	1	9.00	250	0.38
Wood Pole Removal	Off-Highway Trucks	2	9.00	300	0.38
Wood Pole Removal	Off-Highway Trucks	1	9.00	400	0.38
Wood Pole Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Seg 4 LST Removal	Air Compressors	1	8.00	60	0.48

Seg 4 LST Removal	Cranes	1	6.00	215	0.29
Seg 4 LST Removal	Cranes	1	6.00	350	0.29
Seg 4 LST Removal	Graders	0	8.00	174	0.41
Seg 4 LST Removal	Off-Highway Trucks	1	4.00	400	0.38
Seg 4 LST Removal	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 Install J-Tower Footings	Excavators	1	3.00	70	0.38
Site 128 Install J-Tower Footings	Graders	0	8.00	174	0.41
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	6.00	400	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	8.00	300	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Site 128 Install J-Tower Footings	Off-Highway Trucks	1	2.00	350	0.38
Site 128 Install J-Tower Footings	Rubber Tired Loaders	1	6.00	250	0.36
Site 128 Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 132 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 132 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 132 J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 132 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 132 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site 128 J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
Site 128 J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
Site 128 J-Tower Assembly & Erection	Graders	1	8.00	174	0.41
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
Site 128 J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	350	0.38
Site 128 J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Seg 4 LST Foundation Removal	Air Compressors	1	8.00	60	0.48
Seg 4 LST Foundation Removal	Concrete/Industrial Saws	0	8.00	81	0.73
Seg 4 LST Foundation Removal	Excavators	1	4.00	250	0.38

Seg 4 LST Foundation Removal	Off-Highway Trucks	1	6.00	350	0.38
Seg 4 LST Foundation Removal	Rubber Tired Dozers	0	1.00	255	0.40
Seg 4 LST Foundation Removal	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Seg 4 LST Foundation Removal	Tractors/Loaders/Backhoes	1	6.00	125	0.37
Santa Clara Maintenance	Graders	1	0.00	162	0.41
Santa Clara Maintenance	Off-Highway Trucks	1	6.00	180	0.38
Santa Clara Maintenance	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Maintenace	Graders	1	8.00	162	0.41
Casitas Maintenace	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Carpinteria Maintenance	Graders	1	0.00	162	0.41
Carpinteria Maintenance	Off-Highway Trucks	1	6.00	180	0.38
Carpinteria Maintenance	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Casitas Test	Graders	1	0.00	162	0.41
Casitas Test	Off-Highway Trucks	1	2.00	180	0.38
Casitas Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Clara Test	Graders	1	0.00	162	0.41
Santa Clara Test	Off-Highway Trucks	1	2.00	180	0.38
Santa Clara Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Carpinteria Test	Graders	1	0.00	162	0.41
Carpinteria Test	Off-Highway Trucks	1	2.00	180	0.38
Carpinteria Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Golita Electrical	Graders	1	0.00	162	0.41
Golita Electrical	Off-Highway Trucks	1	2.00	180	0.38
Golita Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Barbara Electrical	Graders	1	0.00	162	0.41
Santa Barbara Electrical	Off-Highway Trucks	1	2.00	180	0.38
Santa Barbara Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Golita Test	Graders	1	0.00	162	0.41
Golita Test	Off-Highway Trucks	1	2.00	180	0.38
Golita Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Santa Barbara Test	Graders	1	0.00	162	0.41

Santa Barbara Test	Off-Highway Trucks	1	2.00	180	0.38
Santa Barbara Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Ortega Electrical	Graders	1	0.00	162	0.41
Ortega Electrical	Off-Highway Trucks	1	2.00	180	0.38
Ortega Electrical	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Ortega Test	Graders	1	0.00	162	0.41
Ortega Test	Off-Highway Trucks	1	2.00	180	0.38
Ortega Test	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LWS Pole Haul	Cranes	1	0.00	350	0.29
LWS Pole Haul	Cranes	1	6.00	350	0.29
LWS Pole Haul	Forklifts	1	0.00	125	0.20
LWS Pole Haul	Graders	1	0.00	162	0.41
LWS Pole Haul	Off-Highway Trucks	1	8.00	400	0.38
LWS Pole Haul	Off-Highway Trucks	1	0.00	400	0.38
LWS Pole Haul	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LWS Pole Assembly	Air Compressors	1	4.00	60	0.48
LWS Pole Assembly	Cranes	1	8.00	350	0.29
LWS Pole Assembly	Cranes	1	2.00	350	0.29
LWS Pole Assembly	Forklifts	1	6.00	125	0.20
LWS Pole Assembly	Graders	1	8.00	162	0.41
LWS Pole Assembly	Off-Highway Trucks	1	2.00	400	0.38
LWS Pole Assembly	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Instal LWS Pole	Bore/Drill Rigs	1	4.00	210	0.50
Instal LWS Pole	Cranes	1	6.00	350	0.29
Instal LWS Pole	Cranes	1	0.00	350	0.29
Instal LWS Pole	Forklifts	1	6.00	125	0.20
Instal LWS Pole	Graders	1	0.00	162	0.41
Instal LWS Pole	Off-Highway Trucks	1	6.00	250	0.38
Instal LWS Pole	Off-Highway Trucks	1	8.00	400	0.38
Instal LWS Pole	Off-Highway Trucks	1	0.00	400	0.38
Instal LWS Pole	Tractors/Loaders/Backhoes	1	0.00	125	0.37

Install PRGW&FRC	Cranes	1	8.00	350	0.29
Install PRGW&FRC	Cranes	1	0.00	350	0.29
Install PRGW&FRC	Forklifts	1	0.00	125	0.20
Install PRGW&FRC	Graders	1	0.00	162	0.41
Install PRGW&FRC	Off-Highway Trucks	4	8.00	250	0.38
Install PRGW&FRC	Off-Highway Trucks	1	2.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	2	6.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	1	6.00	350	0.38
Install PRGW&FRC	Off-Highway Trucks	2	4.00	450	0.38
Install PRGW&FRC	Off-Highway Trucks	1	0.00	400	0.38
Install PRGW&FRC	Off-Highway Trucks	3	8.00	300	0.38
Install PRGW&FRC	Off-Highway Trucks	2	8.00	300	0.38
Install PRGW&FRC	Other Construction Equipment	1	6.00	300	0.42
Install PRGW&FRC	Other Construction Equipment	1	6.00	350	0.42
Install PRGW&FRC	Tractors/Loaders/Backhoes	1	2.00	125	0.37
Guard Structure Removal	Air Compressors	1	4.00	60	0.48
Guard Structure Removal	Bore/Drill Rigs	1	0.00	210	0.50
Guard Structure Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Guard Structure Removal	Cranes	2	0.00	350	0.29
Guard Structure Removal	Cranes	1	6.00	350	0.29
Guard Structure Removal	Forklifts	1	0.00	125	0.20
Guard Structure Removal	Off-Highway Trucks	1	4.00	250	0.38
Guard Structure Removal	Off-Highway Trucks	1	0.00	350	0.38
Guard Structure Removal	Off-Highway Trucks	1	8.00	400	0.38
Guard Structure Removal	Off-Highway Trucks	4	0.00	300	0.38
Guard Structure Removal	Rubber Tired Dozers	1	0.00	358	0.40
Guard Structure Removal	Tractors/Loaders/Backhoes	2	0.00	75	0.37
Duct Bank Installation	Air Compressors	1	4.00	60	0.48
Duct Bank Installation	Cement and Mortar Mixers	3	2.00	350	0.56
Duct Bank Installation	Graders	1	0.00	162	0.41
Duct Bank Installation	Off-Highway Trucks	2	4.00	300	0.38

Duct Bank Installation	Off-Highway Trucks	2	6.00	350	0.38
Duct Bank Installation	Off-Highway Trucks	1	6.00	275	0.38
Duct Bank Installation	Off-Highway Trucks	1	8.00	300	0.38
Duct Bank Installation	Off-Highway Trucks	1	4.00	450	0.38
Duct Bank Installation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
UG Cable Installation	Cranes	1	6.00	350	0.29
UG Cable Installation	Graders	1	8.00	162	0.41
UG Cable Installation	Off-Highway Trucks	1	6.00	250	0.38
UG Cable Installation	Off-Highway Trucks	2	6.00	350	0.38
UG Cable Installation	Off-Highway Trucks	1	6.00	350	0.38
UG Cable Installation	Other Construction Equipment	1	6.00	300	0.42
UG Cable Installation	Tractors/Loaders/Backhoes	1	8.00	75	0.37
Restoration	Cranes	1	0.00	350	0.29
Restoration	Forklifts	1	0.00	125	0.20
Restoration	Graders	1	6.00	250	0.41
Restoration	Off-Highway Trucks	1	8.00	300	0.38
Restoration	Off-Highway Trucks	1	4.00	459	0.38
Restoration	Plate Compactors	1	4.00	100	0.43
Restoration	Plate Compactors	1	4.00	100	0.43
Restoration	Tractors/Loaders/Backhoes	1	4.00	125	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Carpinteria Material Yard	7	34.00	5.00	448.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Y Material Yard	6	28.00	5.00	58.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150A Material Yard	7	26.00	5.00	42.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150B Material Yard	4	22.00	5.00	22.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150C Material Yard	4	22.00	5.00	18.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Hwy 150D Material Yard	6	26.00	5.00	56.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT
Santa Ana Material Yard	6	26.00	5.00	48.00	10.80	20.00	20.00	LD_Mix	MHDT	HHDT

Survey	3	8.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Material Staging Yards	7	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Tree Trimming	5	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
R/W Clearing	10	10.00	0.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Retaining Wall Structures	28	60.00	5.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Carpinteria Civil	10	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Civil	6	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Roads and Landing Work	15	10.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Guard Structure Installation	11	12.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Carpinteria Electrical	11	22.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Electrical	9	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Remove Existing Conductor	20	40.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Install TSP foundation	11	12.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Haul	7	8.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Casitas Civil	10	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Install Conductor	25	40.00	3.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
TSP Assembly	8	16.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Erection	9	16.00	4.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Casitas Electrical	10	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
LST Removal	9	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
LST Foundation Removal	6	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Seg4 Remove Existing Conductor & GW	17	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site 132 Brushing, Roads & Landing Work	3	10.00	1.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 Brushing, Roads & Landing Work	10	10.00	1.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 99 Install J-Tower Foundations	9	16.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 97 Install J-Tower Footings	7	16.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Site 99 J-Tower Assembly & Erection	6	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 97 J-Tower Assembly & Erection	6	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 Install J-Tower Footings	10	12.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

Wood Pole Removal	10	12.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Seg 4 LST Removal	4	16.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Site 128 Install J-Tower Footings	6	12.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 132 J-Tower Assembly & Erection	7	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Site 128 J-Tower Assembly & Erection	8	24.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Seg 4 LST Foundation Removal	4	8.00	1.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Santa Clara Maintenance	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Casitas Maintenance	2	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Carpinteria Maintenance	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Casitas Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Clara Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Carpinteria Test	3	2.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Golita Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Barbara Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Golita Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Santa Barbara Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Ortega Electrical	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Ortega Test	3	4.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
LWS Pole Haul	7	8.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
LWS Pole Assembly	7	16.00	4.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Instal LWS Pole	9	12.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Install PRGW&FRC	23	40.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Guard Structure Removal	17	12.00	2.00	59.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Duct Bank Installation	13	12.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
UG Cable Installation	8	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Restoration	8	14.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

3.1 Mitigation Measures Construction

Use Alternative Fuel for Construction Equipment

Use Soil Stabilizer

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Carpinteria Material Yards - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.6851	0.0000	6.6851	3.3835	0.0000	3.3835			0.0000			0.0000
Off-Road	3.6222	44.0766				1.8364	1.8364		1.6895	1.6895			3,991.0635	1.1915		4,016.0850
Total	3.6222	44.0766			6.6851	1.8364	8.5216	3.3835	1.6895	5.073			3,991.06	1.1915		4,016.09

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6118	10.8566			94.7070	0.1882	94.8952	9.5401	0.1731	9.7132			2,352.8705	0.0173		2,353.2331
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.1333	0.1417			54.2991	2.2600e-003	54.3014	5.4606	2.0800e-003	5.4627			288.3267	0.0150		288.6422
Total	0.8055	11.9353			193.2329	0.2135	193.4464	19.4288	0.1964	19.6251			2,861.24	0.0337		2,861.95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.5571	0.0000	2.5571	1.2942	0.0000	1.2942			0.0000				0.0000
Off-Road	3.6222	44.0766				1.8364	1.8364		1.6895	1.6895			3,991.0635	1.1915			4,016.0850
Total	3.6222	44.0766			2.5571	1.8364	4.3935	1.2942	1.6895	2.9837			3,991.06	1.1915			4,016.09

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.6118	10.8566			26.4046	0.1882	26.5928	2.7124	0.1731	2.8855			2,352.8705	0.0173		2,353.2331
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.1333	0.1417			15.1106	2.2600e-003	15.1128	1.5432	2.0800e-003	1.5453			288.3267	0.0150		288.6422
Total	0.8055	11.9353			53.7463	0.2135	53.9598	5.4884	0.1964	5.6847			2,861.24	0.0337		2,861.95

3.3 Y Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					1.0879	0.0000	1.0879	0.4507	0.0000	0.4507			0.0000			0.0000
Off-Road	0.9531	11.3172				0.4657	0.4657		0.4285	0.4285			1,185.3626	0.3539		1,192.7941
Total	0.9531	11.3172			1.0879	0.4657	1.5536	0.4507	0.4285	0.8792			1,185.36	0.3539		1,192.79

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2772	4.9194			42.9141	0.0853	42.9994	4.3228	0.0784	4.4013			1,066.1444	7.8200e-003		1,066.3088
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.1098	0.1167			44.7169	1.8700e-003	44.7188	4.4970	1.7100e-003	4.4987			237.4456	0.0124		237.7053
Total	0.4475	5.9731			131.8578	0.1102	131.968	13.2479	0.1013	13.3492			1,523.63	0.0216		1,524.09

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4161	0.0000	0.4161	0.1724	0.0000	0.1724			0.0000			0.0000
Off-Road	0.9531	11.3172				0.4657	0.4657		0.4285	0.4285			1,185.3626	0.3539		1,192.7941
Total	0.9531	11.3172			0.4161	0.4657	0.8818	0.1724	0.4285	0.6009			1,185.36	0.3539		1,192.79

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2772	4.9194			11.9646	0.0853	12.0499	1.2290	0.0784	1.3075			1,066.1444	7.8200e-003		1,066.3088
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.1098	0.1167			12.4440	1.8700e-003	12.4459	1.2709	1.7100e-003	1.2726			237.4456	0.0124		237.7053
Total	0.4475	5.9731			36.6397	0.1102	36.7499	3.7327	0.1013	3.834			1,523.63	0.0216		1,524.09

3.4 Hwy 150A Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9902	0.0000	0.9902	0.4399	0.0000	0.4399			0.0000			0.0000
Off-Road	1.5968	19.8400				0.7567	0.7567		0.6962	0.6962			1,993.1742	0.5951		2,005.6701
Total	1.5968	19.84			0.9902	0.7567	1.7469	0.4399	0.6962	1.1361			1,993.17	0.5951		2,005.67

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.2007	3.5623			31.0757	0.0618	31.1375	3.1303	0.0568	3.1871			772.0356	5.6700e-003		772.1546
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			41.5228	1.7300e-003	41.5246	4.1758	1.5900e-003	4.1774			220.4852	0.0115		220.7264
Total	0.3631	4.6077			116.8253	0.0865	116.9119	11.7342	0.0796	11.8137			1,212.56	0.0185		1,212.95

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.3787	0.0000	0.3787	0.1683	0.0000	0.1683			0.0000				0.0000
Off-Road	1.5968	19.8400				0.7567	0.7567		0.6962	0.6962			1,993.1742	0.5951			2,005.6701
Total	1.5968	19.84			0.3787	0.7567	1.1354	0.1683	0.6962	0.8644			1,993.17	0.5951			2,005.67

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2007	3.5623			8.6640	0.0618	8.7258	0.8900	0.0568	0.9468			772.0356	5.6700e-003		772.1546
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			11.5551	1.7300e-003	11.5569	1.1801	1.5900e-003	1.1817			220.4852	0.0115		220.7264
Total	0.3631	4.6077			32.4503	0.0865	32.5368	3.3029	0.0796	3.3824			1,212.56	0.0185		1,212.95

Category	lb/day										lb/day					
Fugitive Dust					0.6250	0.0000	0.6250	0.3220	0.0000	0.3220			0.0000			0.0000
Off-Road	0.7013	7.9111				0.3680	0.3680		0.3386	0.3386			747.4359	0.2231		752.1218
Total	0.7013	7.9111			0.625	0.368	0.993	0.322	0.3386	0.6605			747.4359	0.2231		752.1218

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1052	1.8660			4.5383	0.0324	4.5706	0.4662	0.0298	0.4959			404.3996	2.9700e-003		404.4619
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.0862	0.0917			9.7774	1.4700e-003	9.7789	0.9986	1.3400e-003	0.9999			186.5644	9.7200e-003		186.7685
Total	0.2519	2.8947			26.5468	0.0568	26.6037	2.6975	0.0523	2.7498			811.007	0.0141		811.302

3.6 Hwy 150C Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6033	0.0000	1.6033	0.8383	0.0000	0.8383			0.0000			0.0000
Off-Road	0.7013	7.9111				0.3680	0.3680		0.3386	0.3386			747.4359	0.2231		752.1218
Total	0.7013	7.9111			1.6033	0.368	1.9713	0.8383	0.3386	1.1769			747.4359	0.2231		752.1218

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0860	1.5267			13.3182	0.0265	13.3446	1.3416	0.0243	1.3659			330.8724	2.4300e-003		330.9234
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.0862	0.0917			35.1347	1.4700e-003	35.1362	3.5334	1.3400e-003	3.5347			186.5644	9.7200e-003		186.7685
Total	0.2328	2.5554			92.6796	0.051	92.7306	9.303	0.0469	9.3499			737.4798	0.0135		737.7634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6133	0.0000	0.6133	0.3207	0.0000	0.3207			0.0000			0.0000
Off-Road	0.7013	7.9111				0.3680	0.3680		0.3386	0.3386			747.4359	0.2231		752.1218
Total	0.7013	7.9111			0.6133	0.368	0.9813	0.3207	0.3386	0.6592			747.4359	0.2231		752.1218

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0860	1.5267			3.7131	0.0265	3.7396	0.3814	0.0243	0.4058			330.8724	2.4300e-003		330.9234
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.0862	0.0917			9.7774	1.4700e-003	9.7789	0.9986	1.3400e-003	0.9999			186.5644	9.7200e-003		186.7685
Total	0.2328	2.5554			25.7217	0.051	25.7727	2.6128	0.0469	2.6596			737.4798	0.0135		737.7634

3.7 Hwy 150D Material Yard - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					6.3461	0.0000	6.3461	3.3459	0.0000	3.3459			0.0000				0.0000
Off-Road	2.9784	35.5538				1.5455	1.5455		1.4218	1.4218			3,183.2519	0.9503			3,203.2089
Total	2.9784	35.5538			6.3461	1.5455	7.8915	3.3459	1.4218	4.7677			3,183.25	0.9503			3,203.21

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2677	4.7498			41.4343	0.0823	41.5167	4.1738	0.0757	4.2495			1,029.3808	7.5500e-003		1,029.5395
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			41.5228	1.7300e-003	41.5246	4.1758	1.5900e-003	4.1774			220.4852	0.0115		220.7264

Total	0.4301	5.7951			127.1839	0.1071	127.291	12.7776	0.0985	12.8761			1,469.91	0.0204		1,470.34
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.4274	0.0000	2.4274	1.2798	0.0000	1.2798			0.0000				0.0000
Off-Road	2.9784	35.5538				1.5455	1.5455		1.4218	1.4218			3,183.2519	0.9503			3,203.2089
Total	2.9784	35.5538			2.4274	1.5455	3.9728	1.2798	1.4218	2.7016			3,183.25	0.9503			3,203.21

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2677	4.7498			11.5520	0.0823	11.6343	1.1867	0.0757	1.2624			1,029.3808	7.5500e-003		1,029.5395
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			11.5551	1.7300e-003	11.5569	1.1801	1.5900e-003	1.1817			220.4852	0.0115		220.7264
Total	0.4301	5.7951			35.3383	0.1071	35.4454	3.5996	0.0985	3.698			1,469.91	0.0204		1,470.34

3.8 Santa Ana Material Yard - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3014	0.0000	6.3014	3.3410	0.0000	3.3410			0.0000			0.0000
Off-Road	2.9784	35.5538				1.5455	1.5455		1.4218	1.4218			3,183.2519	0.9503		3,203.2089
Total	2.9784	35.5538			6.3014	1.5455	7.8468	3.341	1.4218	4.7628			3,183.25	0.9503		3,203.21

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2294	4.0712			35.5151	0.0706	35.5857	3.5775	0.0649	3.6424			882.3264	6.4800e-003		882.4624
Vendor	0.0605	0.9370			44.2268	0.0230	44.2498	4.4281	0.0212	4.4492			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			41.5228	1.7300e-003	41.5246	4.1758	1.5900e-003	4.1774			220.4852	0.0115		220.7264
Total	0.3918	5.1166			121.2647	0.0953	121.3601	12.1814	0.0877	12.269			1,322.85	0.0193		1,323.26

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4103	0.0000	2.4103	1.2779	0.0000	1.2779			0.0000			0.0000
Off-Road	2.9784	35.5538				1.5455	1.5455		1.4218	1.4218			3,183.2519	0.9503		3,203.2089

Total	2.9784	35.5538			2.4103	1.5455	3.9557	1.2779	1.4218	2.6998			3,183.25	0.9503		3,203.21
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2294	4.0712			9.9017	0.0706	9.9723	1.0171	0.0649	1.0820			882.3264	6.4800e-003		882.4624
Vendor	0.0605	0.9370			12.2311	0.0230	12.2542	1.2328	0.0212	1.2539			220.0430	1.3600e-003		220.0716
Worker	0.1019	0.1083			11.5551	1.7300e-003	11.5569	1.1801	1.5900e-003	1.1817			220.4852	0.0115		220.7264
Total	0.3918	5.1166			33.688	0.0953	33.7833	3.43	0.0877	3.5177			1,322.85	0.0193		1,323.26

3.9 Survey - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0	0			0.5303	0	0.5303	0.0573	0	0.0573			0	0		0

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0314	0.0333			12.7763	5.3000e-004	12.7768	1.2849	4.9000e-004	1.2853			67.8416	3.5300e-003		67.9158
Total	0.07	0.7403			48.1576	0.0188	48.1764	4.8273	0.0173	4.8445			240.3649	4.58E-03		240.4612

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0	0			0.2028	0	0.2028	0.0219	0	0.0219			0	0		0

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.07	0.7403			13.3403	0.0188	13.359	1.3493	0.0173	1.3666			240.3649	4.58E-03		240.4612

3.10 Material Staging Yards - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.1563	0.0000	0.1563	0.0169	0.0000	0.0169			0.0000				0.0000
Off-Road	1.8169	21.4601				0.8616	0.8616		0.7927	0.7927			2,299.3729	0.6865			2,313.7885
Total	1.8169	21.4601			0.1563	0.8616	1.018	0.0169	0.7927	0.8096			2,299.37	0.6865			2,313.79

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			12.7763	5.3000e-004	12.7768	1.2849	4.9000e-004	1.2853			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			12.7763	5.30E-04	12.7768	1.2849	4.90E-04	1.2853			67.8416	3.53E-03		67.9158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0598	0.0000	0.0598	6.4600e-003	0.0000	6.4600e-003			0.0000			0.0000
Off-Road	1.8169	21.4601				0.8616	0.8616		0.7927	0.7927			2,299.3729	0.6865		2,313.7885
Total	1.8169	21.4601			0.0598	0.8616	0.9214	6.46E-03	0.7927	0.7992			2,299.37	0.6865		2,313.79

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			3.5554	5.30E-04	3.556	0.3631	4.90E-04	0.3636			67.8416	3.53E-03		67.9158

3.10 Material Staging Yards - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.1563	0.0000	0.1563	0.0169	0.0000	0.0169			0.0000			0.0000
Off-Road	1.6686	19.3260				0.7698	0.7698		0.7083	0.7083			2,273.3030	0.6857		2,287.7029
Total	1.6686	19.326			0.1563	0.7698	0.9262	0.0169	0.7083	0.7251			2,273.30	0.6857		2,287.70

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0285	0.0299			12.7763	5.1000e-004	12.7768	1.2849	4.7000e-004	1.2853			65.4424	3.2300e-003		65.5103
Total	0.0285	0.0299			12.7763	5.10E-04	12.7768	1.2849	4.70E-04	1.2853			65.4424	3.23E-03		65.5103

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0598	0.0000	0.0598	6.4600e-003	0.0000	6.4600e-003			0.0000			0.0000
Off-Road	1.6686	19.3260				0.7698	0.7698		0.7083	0.7083			2,273.3030	0.6857		2,287.7029
Total	1.6686	19.326			0.0598	0.7698	0.8296	6.46E-03	0.7083	0.7147			2,273.30	0.6857		2,287.70

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0285	0.0299			3.5554	5.1000e-004	3.5559	0.3631	4.7000e-004	0.3636			65.4424	3.2300e-003		65.5103
Total	0.0285	0.0299			3.5554	5.10E-04	3.5559	0.3631	4.70E-04	0.3636			65.4424	3.23E-03		65.5103

3.11 Tree Trimming - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.9763	21.4638				0.8680	0.8680		0.7986	0.7986			2,436.3507	0.7274		2,451.6251
Total	1.9763	21.4638			0.5303	0.868	1.3983	0.0573	0.7986	0.8558			2,436.35	0.7274		2,451.63

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0235	0.0250			9.5822	4.0000e-004	9.5826	0.9636	3.7000e-004	0.9640			50.8812	2.6500e-003		50.9369
Total	0.0235	0.025			9.5822	4.00E-04	9.5826	0.9636	3.70E-04	0.964			50.8812	2.65E-03		50.9369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	1.9763	21.4638				0.8680	0.8680		0.7986	0.7986			2,436.3507	0.7274		2,451.6251
Total	1.9763	21.4638			0.2028	0.868	1.0708	0.0219	0.7986	0.8205			2,436.35	0.7274		2,451.63

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0235	0.0250			2.6666	4.0000e-004	2.6670	0.2723	3.7000e-004	0.2727			50.8812	2.6500e-003		50.9369

Total	0.0235	0.025			2.6666	4.00E-04	2.667	0.2723	3.70E-04	0.2727			50.8812	2.65E-03		50.9369
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3.12 R/W Clearing - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.3861	0.0000	2.3861	0.2577	0.0000	0.2577			0.0000				0.0000
Off-Road	3.2299	39.3104				1.5368	1.5368		1.4139	1.4139			4,237.9798	1.2652			4,264.5493
Total	3.2299	39.3104			2.3861	1.5368	3.9229	0.2577	1.4139	1.6715			4,237.98	1.2652			4,264.55

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0392	0.0417			15.9703	6.7000e-004	15.9710	1.6061	6.1000e-004	1.6067			84.8020	4.4200e-003		84.8948
Total	0.0392	0.0417			15.9703	6.70E-04	15.971	1.6061	6.10E-04	1.6067			84.802	4.42E-03		84.8948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9127	0.0000	0.9127	0.0986	0.0000	0.0986			0.0000			0.0000
Off-Road	3.2299	39.3104				1.5368	1.5368		1.4139	1.4139			4,237.9798	1.2652		4,264.5493
Total	3.2299	39.3104			0.9127	1.5368	2.4495	0.0986	1.4139	1.5124			4,237.98	1.2652		4,264.55

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0392	0.0417			4.4443	6.7000e-004	4.4450	0.4539	6.1000e-004	0.4545			84.8020	4.4200e-003		84.8948
Total	0.0392	0.0417			4.4443	6.70E-04	4.445	0.4539	6.10E-04	0.4545			84.802	4.42E-03		84.8948

3.13 Retaining Wall Structures - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	12.1797	142.0660				5.7611	5.7611		5.3002	5.3002			16,021.6064	4.7831		16,122.0519

Total	12.1797	142.066			0	5.7611	5.7611	0	5.3002	5.3002			16,021.61	4.7831		16,122.05
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.1328	2.5976			132.6800	0.0681	132.7481	13.2841	0.0626	13.3467			642.5735	3.8900e-003		642.6552
Worker	0.2352	0.2500			95.8219	4.0000e-003	95.8259	9.6364	3.6600e-003	9.6401			508.8119	0.0265		509.3685
Total	0.368	2.8476			228.5019	0.0721	228.574	22.9205	0.0663	22.9868			1,151.39	0.0304		1,152.02

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	12.1797	142.0660				5.7611	5.7611		5.3002	5.3002			16,021.6064	4.7831		16,122.0519
Total	12.1797	142.066			0	5.7611	5.7611	0	5.3002	5.3002			16,021.61	4.7831		16,122.05

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.1328	2.5976			36.6931	0.0681	36.7612	3.6982	0.0626	3.7608			642.5735	3.8900e-003		642.6552
Worker	0.2352	0.2500			26.6657	4.0000e-003	26.6697	2.7234	3.6600e-003	2.7270			508.8119	0.0265		509.3685
Total	0.368	2.8476			63.3588	0.0721	63.4309	6.4216	0.0663	6.4879			1,151.39	0.0304		1,152.02

3.13 Retaining Wall Structures - 2016
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	11.1535	127.3806				5.1167	5.1167		4.7073	4.7073			15,836.2883	4.7768		15,936.6008
Total	11.1535	127.3806			0	5.1167	5.1167	0	4.7073	4.7073			15,836.29	4.7768		15,936.60

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.1168	2.2439			132.6803	0.0602	132.7405	13.2842	0.0554	13.3395			636.6474	3.4400e-003		636.7197
Worker	0.2134	0.2245			95.8219	3.8100e-003	95.8258	9.6364	3.5000e-003	9.6399			490.8178	0.0242		491.3269
Total	0.3302	2.4684			228.5022	0.064	228.5662	22.9206	0.0589	22.9795			1,127.47	0.0277		1,128.05

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	11.1535	127.3806				5.1167	5.1167		4.7073	4.7073			15,836.2883	4.7768		15,936.6008
Total	11.1535	127.3806			0	5.1167	5.1167	0	4.7073	4.7073			15,836.29	4.7768		15,936.60

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.1168	2.2439			36.6934	0.0602	36.7536	3.6983	0.0554	3.7537			636.6474	3.4400e-003		636.7197
Worker	0.2134	0.2245			26.6657	3.8100e-003	26.6695	2.7234	3.5000e-003	2.7269			490.8178	0.0242		491.3269
Total	0.3302	2.4684			63.3591	0.064	63.4231	6.4217	0.0589	6.4805			1,127.47	0.0277		1,128.05

3.14 Carpinteria Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9080	22.1540				1.0645	1.0645		0.9793	0.9793			2,448.9913	0.7311		2,464.3449
Total	1.908	22.154				1.0645	1.0645		0.9793	0.9793			2,448.99	0.7311		2,464.34

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0784	0.0833			31.9407	1.3300e-003	31.9420	3.2121	1.2200e-003	3.2134			169.6040	8.8400e-003		169.7895
Total	0.0784	0.0833			31.9407	1.33E-03	31.942	3.2121	1.22E-03	3.2134			169.604	8.84E-03		169.7895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.9080	22.1540				1.0645	1.0645		0.9793	0.9793			2,448.9913	0.7311		2,464.3449
Total	1.908	22.154				1.0645	1.0645		0.9793	0.9793			2,448.99	0.7311		2,464.34

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0784	0.0833			8.8886	1.3300e-003	8.8899	0.9078	1.2200e-003	0.9090			169.6040	8.8400e-003		169.7895
Total	0.0784	0.0833			8.8886	1.33E-03	8.8899	0.9078	1.22E-03	0.909			169.604	8.84E-03		169.7895

3.15 Santa Clara Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8588	9.0164				0.4868	0.4868		0.4478	0.4478			861.6203	0.2572		867.0222
Total	0.8588	9.0164				0.4868	0.4868		0.4478	0.4478			861.6203	0.2572		867.0222

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			12.7763	5.3000e-004	12.7768	1.2849	4.9000e-004	1.2853			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			12.7763	5.30E-04	12.7768	1.2849	4.90E-04	1.2853			67.8416	3.53E-03		67.9158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8588	9.0164				0.4868	0.4868		0.4478	0.4478			861.6203	0.2572		867.0222
Total	0.8588	9.0164				0.4868	0.4868		0.4478	0.4478			861.6203	0.2572		867.0222

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			3.5554	5.30E-04	3.556	0.3631	4.90E-04	0.3636			67.8416	3.53E-03		67.9158

3.16 Roads and Landing Work - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					2.9827	0.0000	2.9827	0.3221	0.0000	0.3221			0.0000				0.0000
Off-Road	4.9773	55.4311				2.4554	2.4554		2.2590	2.2590			5,768.9863	1.7223			5,805.1543
Total	4.9773	55.4311			2.9827	2.4554	5.438	0.3221	2.259	2.581			5,768.99	1.7223			5,805.15

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			35.3813	0.0181	35.3994	3.5424	0.0167	3.5591			170.7677	1.0300e-003		170.7894
Worker	0.0392	0.0417			15.9703	6.7000e-004	15.9710	1.6061	6.1000e-004	1.6067			84.8020	4.4200e-003		84.8948

Total	0.073	0.7273			51.3516	0.0188	51.3704	5.1485	0.0173	5.1658			255.5697	5.45E-03		255.6842
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					1.1409	0.0000	1.1409	0.1232	0.0000	0.1232			0.0000				0.0000
Off-Road	4.9773	55.4311				2.4554	2.4554		2.2590	2.2590			5,768.9863	1.7223			5,805.1543
Total	4.9773	55.4311			1.1409	2.4554	3.5963	0.1232	2.259	2.3821			5,768.99	1.7223			5,805.15

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0338	0.6856			9.7848	0.0181	9.8029	0.9862	0.0167	1.0029			170.7677	1.0300e-003			170.7894
Worker	0.0392	0.0417			4.4443	6.7000e-004	4.4450	0.4539	6.1000e-004	0.4545			84.8020	4.4200e-003			84.8948
Total	0.073	0.7273			14.2291	0.0188	14.2479	1.4401	0.0173	1.4574			255.5697	5.45E-03			255.6842

3.17 Guard Structure Installation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2441	38.2530				1.5470	1.5470		1.4323	1.4323			4,145.1271	1.2132		4,170.6043
Total	3.2441	38.253				1.547	1.547		1.4323	1.4323			4,145.13	1.2132		4,170.60

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0470	0.0500			19.1644	8.0000e-004	19.1652	1.9273	7.3000e-004	1.9280			101.7624	5.3000e-003		101.8737
Total	0.0857	0.7569			54.5457	0.019	54.5648	5.4697	0.0175	5.4872			274.2857	6.35E-03		274.4191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2441	38.2530				1.5470	1.5470		1.4323	1.4323			4,145.1271	1.2132		4,170.6043
Total	3.2441	38.253				1.547	1.547		1.4323	1.4323			4,145.13	1.2132		4,170.60

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0470	0.0500			5.3331	8.0000e-004	5.3339	0.5447	7.3000e-004	0.5454			101.7624	5.3000e-003		101.8737
Total	0.0857	0.7569			15.118	0.019	15.137	1.5309	0.0175	1.5484			274.2857	6.35E-03		274.4191

3.18 Carpinteria Electrical - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6506	19.4933				0.8921	0.8921		0.8207	0.8207			1,688.3186	0.5040		1,698.9033
Total	1.6506	19.4933			0	0.8921	0.8921	0	0.8207	0.8207			1,688.32	0.504		1,698.90

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0862	0.0917			35.1347	1.4700e-003	35.1362	3.5334	1.3400e-003	3.5347			186.5644	9.7200e-003		186.7685
Total	0.0862	0.0917			35.1347	1.47E-03	35.1362	3.5334	1.34E-03	3.5347			186.5644	9.72E-03		186.7685

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6506	19.4933				0.8921	0.8921		0.8207	0.8207			1,688.3186	0.5040		1,698.9033
Total	1.6506	19.4933			0	0.8921	0.8921	0	0.8207	0.8207			1,688.32	0.504		1,698.90

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000

Worker	0.0862	0.0917			9.7774	1.4700e-003	9.7789	0.9986	1.3400e-003	0.9999			186.5644	9.7200e-003		186.7685
Total	0.0862	0.0917			9.7774	1.47E-03	9.7789	0.9986	1.34E-03	0.9999			186.5644	9.72E-03		186.7685

3.19 Santa Clara Electrical - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	1.0398	12.3573				0.5701	0.5701		0.5245	0.5245			1,161.6702	0.3468			1,168.9531
Total	1.0398	12.3573			0	0.5701	0.5701	0	0.5245	0.5245			1,161.67	0.3468			1,168.95

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0549	0.0583			22.3585	9.3000e-004	22.3594	2.2485	8.5000e-004	2.2494			118.7228	6.1900e-003		118.8527
Total	0.0549	0.0583			22.3585	9.30E-04	22.3594	2.2485	8.50E-04	2.2494			118.7228	6.19E-03		118.8527

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	1.0398	12.3573				0.5701	0.5701		0.5245	0.5245			1,161.6702	0.3468			1,168.9531
Total	1.0398	12.3573			0	0.5701	0.5701	0	0.5245	0.5245			1,161.67	0.3468			1,168.95

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Worker	0.0549	0.0583			6.2220	9.3000e-004	6.2229	0.6355	8.5000e-004	0.6363			118.7228	6.1900e-003			118.8527
Total	0.0549	0.0583			6.222	9.30E-04	6.2229	0.6355	8.50E-04	0.6363			118.7228	6.19E-03			118.8527

3.20 Remove Existing Conductor - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Off-Road	9.6361	115.2995				4.6295	4.6295		4.2592	4.2592			11,912.5346	3.5564		11,987.2188
Total	9.6361	115.2995				4.6295	4.6295		4.2592	4.2592			11,912.53	3.5564		11,987.22

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.1568	0.1667			63.8813	2.6600e-003	63.8840	6.4243	2.4400e-003	6.4267			339.2079	0.0177		339.5790
Total	0.1955	0.8736			99.2626	0.0209	99.2835	9.9667	0.0192	9.9859			511.7312	0.0187		512.1244

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	9.6361	115.2995				4.6295	4.6295		4.2592	4.2592			11,912.5346	3.5564		11,987.2188
Total	9.6361	115.2995				4.6295	4.6295		4.2592	4.2592			11,912.53	3.5564		11,987.22

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.1568	0.1667			17.7771	2.6600e-003	17.7798	1.8156	2.4400e-003	1.8180			339.2079	0.0177		339.5790
Total	0.1955	0.8736			27.562	0.0209	27.5829	2.8018	0.0192	2.821			511.7312	0.0187		512.1244

3.21 Install TSP foundation - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1567	26.0824				1.0720	1.0720		0.9862	0.9862			2,838.5257	0.8474		2,856.3214
Total	2.1567	26.0824				1.072	1.072		0.9862	0.9862			2,838.53	0.8474		2,856.32

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			35.3813	0.0181	35.3994	3.5424	0.0167	3.5591			170.7677	1.0300e-003		170.7894
Worker	0.0470	0.0500			19.1644	8.0000e-004	19.1652	1.9273	7.3000e-004	1.9280			101.7624	5.3000e-003		101.8737
Total	0.0808	0.7356			54.5457	0.0189	54.5646	5.4697	0.0174	5.4871			272.5301	6.33E-03		272.6631

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1567	26.0824				1.0720	1.0720		0.9862	0.9862			2,838.5257	0.8474		2,856.3214
Total	2.1567	26.0824				1.072	1.072		0.9862	0.9862			2,838.53	0.8474		2,856.32

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			9.7848	0.0181	9.8029	0.9862	0.0167	1.0029			170.7677	1.0300e-003		170.7894
Worker	0.0470	0.0500			5.3331	8.0000e-004	5.3339	0.5447	7.3000e-004	0.5454			101.7624	5.3000e-003		101.8737
Total	0.0808	0.7356			15.118	0.0189	15.1369	1.5309	0.0174	1.5483			272.5301	6.33E-03		272.6631

Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	3.5931	40.9370				1.9205	1.9205		1.7669	1.7669			3,677.8177	1.0980		3,700.8753
Total	3.5931	40.937			0.2028	1.9205	2.1233	0.0219	1.7669	1.7888			3,677.82	1.098		3,700.88

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			9.7848	0.0181	9.8029	0.9862	0.0167	1.0029			170.7677	1.0300e-003		170.7894
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.0652	0.7189			13.3403	0.0187	13.3589	1.3493	0.0172	1.3665			238.6093	4.56E-03		238.7052

3.23 Casitas Civil - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9080	22.1540				1.0645	1.0645		0.9793	0.9793			2,448.9913	0.7311		2,464.3449
Total	1.908	22.154				1.0645	1.0645		0.9793	0.9793			2,448.99	0.7311		2,464.34

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0706	0.0750			28.7466	1.2000e-003	28.7478	2.8909	1.1000e-003	2.8920			152.6436	7.9500e-003		152.8106
Total	0.0706	0.075			28.7466	1.20E-03	28.7478	2.8909	1.10E-03	2.892			152.6436	7.95E-03		152.8106

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9080	22.1540				1.0645	1.0645		0.9793	0.9793			2,448.9913	0.7311		2,464.3449
Total	1.908	22.154				1.0645	1.0645		0.9793	0.9793			2,448.99	0.7311		2,464.34

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0706	0.0750			7.9997	1.2000e-003	8.0009	0.8170	1.1000e-003	0.8181			152.6436	7.9500e-003		152.8106
Total	0.0706	0.075			7.9997	1.20E-03	8.0009	0.817	1.10E-03	0.8181			152.6436	7.95E-03		152.8106

3.24 Install Conductor - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000				0.0000
Off-Road	14.1830	168.8231				6.6861	6.6861		6.1512	6.1512			18,001.5461	5.3742			18,114.4046
Total	14.183	168.8231			0.5303	6.6861	7.2164	0.0573	6.1512	6.2085			18,001.55	5.3742			18,114.40

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0580	1.0604			53.0720	0.0273	53.0994	5.3136	0.0251	5.3388			258.7849	1.5800e-003		258.8180
Worker	0.1568	0.1667			63.8813	2.6600e-003	63.8840	6.4243	2.4400e-003	6.4267			339.2079	0.0177		339.5790

Total	0.2148	1.2271			116.9533	0.03	116.9833	11.7379	0.0276	11.7655			597.9929	0.0193		598.3971
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000				0.0000
Off-Road	14.1830	168.8231				6.6861	6.6861		6.1512	6.1512			18,001.5461	5.3742			18,114.4046
Total	14.183	168.8231			0.2028	6.6861	6.8889	0.0219	6.1512	6.1731			18,001.55	5.3742			18,114.40

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0580	1.0604			14.6773	0.0273	14.7046	1.4793	0.0251	1.5044			258.7849	1.5800e-003			258.8180
Worker	0.1568	0.1667			17.7771	2.6600e-003	17.7798	1.8156	2.4400e-003	1.8180			339.2079	0.0177			339.5790
Total	0.2148	1.2271			32.4544	0.03	32.4844	3.2949	0.0276	3.3225			597.9929	0.0193			598.3971

3.25 TSP Assembly - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.9362	22.0441				0.9712	0.9712		0.9071	0.9071			2,168.7799	0.6110		2,181.6115
Total	1.9362	22.0441			0.5303	0.9712	1.5015	0.0573	0.9071	0.9644			2,168.78	0.611		2,181.61

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			35.3813	0.0181	35.3994	3.5424	0.0167	3.5591			170.7677	1.0300e-003		170.7894
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.0965	0.7523			60.9338	0.0192	60.953	6.1121	0.0177	6.1298			306.4509	8.10E-03		306.621

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	1.9362	22.0441				0.9712	0.9712		0.9071	0.9071			2,168.7799	0.6110		2,181.6115

Total	1.9362	22.0441			0.2028	0.9712	1.174	0.0219	0.9071	0.929			2,168.78	0.611		2,181.61
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0338	0.6856			9.7848	0.0181	9.8029	0.9862	0.0167	1.0029			170.7677	1.0300e-003		170.7894
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.0965	0.7523			16.8957	0.0192	16.9149	1.7124	0.0177	1.7301			306.4509	8.10E-03		306.621

3.26 TSP Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5552	0.0000	0.5552	0.0600	0.0000	0.0600			0.0000			0.0000
Off-Road	1.8319	21.3850				0.9146	0.9146		0.8505	0.8505			2,096.6137	0.6016		2,109.2480
Total	1.8319	21.385			0.5552	0.9146	1.4698	0.06	0.8505	0.9104			2,096.61	0.6016		2,109.25

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0773	1.4139			70.7627	0.0364	70.7991	7.0849	0.0335	7.1184			345.0466	2.1000e-003		345.0907
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.14	1.4805			96.3152	0.0375	96.3527	9.6546	0.0345	9.6891			480.7297	9.17E-03		480.9223

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2124	0.0000	0.2124	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	1.8319	21.3850				0.9146	0.9146		0.8505	0.8505			2,096.6137	0.6016		2,109.2480
Total	1.8319	21.385			0.2124	0.9146	1.127	0.0229	0.8505	0.8734			2,096.61	0.6016		2,109.25

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0773	1.4139			19.5697	0.0364	19.6061	1.9724	0.0335	2.0059			345.0466	2.1000e-003		345.0907
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.14	1.4805			26.6806	0.0375	26.7181	2.6986	0.0345	2.7331			480.7297	9.17E-03		480.9223

3.27 Casitas Electrical - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	1.0347	12.1841				0.5584	0.5584		0.5137	0.5137			1,196.8750	0.3573			1,204.3786
Total	1.0347	12.1841			0	0.5584	0.5584	0	0.5137	0.5137			1,196.88	0.3573			1,204.38

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.0627	0.0667			25.5525	1.07E-03	25.5536	2.5697	9.80E-04	2.5707			135.6832	7.07E-03		135.8316

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.0347	12.1841				0.5584	0.5584		0.5137	0.5137			1,196.8750	0.3573		1,204.3786
Total	1.0347	12.1841			0	0.5584	0.5584	0	0.5137	0.5137			1,196.88	0.3573		1,204.38

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.0627	0.0667			7.1109	1.07E-03	7.1119	0.7262	9.80E-04	0.7272			135.6832	7.07E-03		135.8316

3.28 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.0698	0.0000	0.0698	7.5300e-003	0.0000	7.5300e-003			0.0000			0.0000
Off-Road	2.0998	23.2136				1.0855	1.0855		1.0168	1.0168			2,089.0872	0.5751		2,101.1641
Total	2.0998	23.2136			0.0698	1.0855	1.1553	7.53E-03	1.0168	1.0243			2,089.09	0.5751		2,101.1641

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			60.9339	0.0193	60.9532	6.1121	0.0177	6.1299			308.2065	8.12E-03		308.377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0267	0.0000	0.0267	2.8800e-003	0.0000	2.8800e-003			0.0000			0.0000
Off-Road	2.0998	23.2136				1.0855	1.0855		1.0168	1.0168			2,089.0872	0.5751		2,101.1641
Total	2.0998	23.2136			0.0267	1.0855	1.1122	2.88E-03	1.0168	1.0197			2,089.09	0.5751		2,101.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			16.8957	0.0193	16.915	1.7124	0.0177	1.7302			308.2065	8.12E-03		308.377

3.28 LST Removal - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0698	0.0000	0.0698	7.5300e-003	0.0000	7.5300e-003			0.0000			0.0000
Off-Road	1.9573	21.5302				0.9957	0.9957		0.9321	0.9321			2,069.8445	0.5713		2,081.8418
Total	1.9573	21.5302			0.0698	0.9957	1.0654	7.53E-03	0.9321	0.9397			2,069.84	0.5713		2,081.84

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0341	0.6117			35.3814	0.0161	35.3975	3.5425	0.0148	3.5573			170.9352	9.3000e-004		170.9547
Worker	0.0569	0.0599			25.5525	1.0200e-003	25.5535	2.5697	9.3000e-004	2.5706			130.8847	6.4700e-003		131.0205
Total	0.091	0.6716			60.934	0.0171	60.9511	6.1122	0.0157	6.1279			301.8199	7.40E-03		301.9752

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0267	0.0000	0.0267	2.8800e-003	0.0000	2.8800e-003			0.0000			0.0000
Off-Road	1.9573	21.5302				0.9957	0.9957		0.9321	0.9321			2,069.8445	0.5713		2,081.8418
Total	1.9573	21.5302			0.0267	0.9957	1.0223	2.88E-03	0.9321	0.935			2,069.84	0.5713		2,081.84

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0341	0.6117			9.7849	0.0161	9.8010	0.9862	0.0148	1.0010			170.9352	9.3000e-004		170.9547
Worker	0.0569	0.0599			7.1109	1.0200e-003	7.1119	0.7262	9.3000e-004	0.7272			130.8847	6.4700e-003		131.0205

Total	0.091	0.6716			16.8958	0.0171	16.9129	1.7125	0.0157	1.7282			301.8199	7.40E-03		301.9752
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3.29 LST Foundation Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5930	17.0645				0.7918	0.7918		0.7465	0.7465			1,936.3603	0.5295		1,947.4797
Total	1.593	17.0645			0	0.7918	0.7918	0	0.7465	0.7465			1,936.36	0.5295		1,947.48

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			12.7763	5.3000e-004	12.7768	1.2849	4.9000e-004	1.2853			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			12.7763	5.30E-04	12.7768	1.2849	4.90E-04	1.2853			67.8416	3.53E-03		67.9158

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5930	17.0645				0.7918	0.7918		0.7465	0.7465			1,936.3603	0.5295		1,947.4797
Total	1.593	17.0645			0	0.7918	0.7918	0	0.7465	0.7465			1,936.36	0.5295		1,947.48

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.0314	0.0333			3.5554	5.30E-04	3.556	0.3631	4.90E-04	0.3636			67.8416	3.53E-03		67.9158

3.30 Seg4 Remove Existing Conductor & GW - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.0607	118.9289				4.7842	4.7842		4.4015	4.4015			12,306.0762	3.6739		12,383.2277
Total	10.0607	118.9289				4.7842	4.7842		4.4015	4.4015			12,306.08	3.6739		12,383.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1568	0.1667			63.8813	2.6600e-003	63.8840	6.4243	2.4400e-003	6.4267			339.2079	0.0177		339.5790
Total	0.1568	0.1667			63.8813	2.66E-03	63.884	6.4243	2.44E-03	6.4267			339.2079	0.0177		339.579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	10.0607	118.9289				4.7842	4.7842		4.4015	4.4015			12,306.0762	3.6739		12,383.2277
Total	10.0607	118.9289				4.7842	4.7842		4.4015	4.4015			12,306.08	3.6739		12,383.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1568	0.1667			17.7771	2.6600e-003	17.7798	1.8156	2.4400e-003	1.8180			339.2079	0.0177		339.5790
Total	0.1568	0.1667			17.7771	2.66E-03	17.7798	1.8156	2.44E-03	1.818			339.2079	0.0177		339.579

3.31 Site 132 Brushing, Roads & Landing Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.8376	17.9927				0.7950	0.7950		0.7314	0.7314			2,027.2630	0.6052		2,039.9727
Total	1.8376	17.9927			0.5303	0.795	1.3252	0.0573	0.7314	0.7886			2,027.26	0.6052		2,039.97

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0266	0.5195			26.5360	0.0136	26.5496	2.6568	0.0125	2.6693			128.5147	7.8000e-004		128.5311

Worker	0.0392	0.0417			15.9703	6.7000e-004	15.9710	1.6061	6.1000e-004	1.6067			84.8020	4.4200e-003		84.8948
Total	0.0658	0.5612			42.5063	0.0143	42.5206	4.2629	0.0131	4.276			213.3167	5.20E-03		213.4258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	1.8376	17.9927				0.7950	0.7950		0.7314	0.7314			2,027.2630	0.6052		2,039.9727
Total	1.8376	17.9927			0.2028	0.795	0.9978	0.0219	0.7314	0.7533			2,027.26	0.6052		2,039.97

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0266	0.5195			7.3386	0.0136	7.3522	0.7396	0.0125	0.7522			128.5147	7.8000e-004		128.5311
Worker	0.0392	0.0417			4.4443	6.7000e-004	4.4450	0.4539	6.1000e-004	0.4545			84.8020	4.4200e-003		84.8948
Total	0.0658	0.5612			11.7829	0.0143	11.7972	1.1935	0.0131	1.2067			213.3167	5.20E-03		213.4258

3.32 Site 128 Brushing, Roads & Landing Work - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	4.5715	48.3990				2.2041	2.2041		2.0278	2.0278			5,241.0954	1.5647			5,273.9538
Total	4.5715	48.399			0	2.2041	2.2041	0	2.0278	2.0278			5,241.10	1.5647			5,273.95

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0266	0.5195			26.5360	0.0136	26.5496	2.6568	0.0125	2.6693			128.5147	7.8000e-004			128.5311
Worker	0.0392	0.0417			15.9703	6.7000e-004	15.9710	1.6061	6.1000e-004	1.6067			84.8020	4.4200e-003			84.8948
Total	0.0658	0.5612			42.5063	0.0143	42.5206	4.2629	0.0131	4.276			213.3167	5.20E-03			213.4258

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	4.5715	48.3990				2.2041	2.2041		2.0278	2.0278			5,241.0954	1.5647		5,273.9538
Total	4.5715	48.399			0	2.2041	2.2041	0	2.0278	2.0278			5,241.10	1.5647		5,273.95

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0266	0.5195			7.3386	0.0136	7.3522	0.7396	0.0125	0.7522			128.5147	7.8000e-004		128.5311
Worker	0.0392	0.0417			4.4443	6.7000e-004	4.4450	0.4539	6.1000e-004	0.4545			84.8020	4.4200e-003		84.8948
Total	0.0658	0.5612			11.7829	0.0143	11.7972	1.1935	0.0131	1.2067			213.3167	5.20E-03		213.4258

3.33 Site 99 Install J-Tower Foundations - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	4.1792	50.4624				1.9076	1.9076		1.7550	1.7550			5,492.6226	1.6398		5,527.0579
Total	4.1792	50.4624			0	1.9076	1.9076	0	1.755	1.755			5,492.62	1.6398		5,527.06

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1158	1.1057			78.6245	0.0283	78.6528	7.8833	0.026	7.9094			392.7126	8.63E-03		392.8937

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	4.1792	50.4624				1.9076	1.9076		1.7550	1.7550			5,492.6226	1.6398		5,527.0579
Total	4.1792	50.4624			0	1.9076	1.9076	0	1.755	1.755			5,492.62	1.6398		5,527.06

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1158	1.1057			21.7881	0.0283	21.8164	2.2055	0.026	2.2315			392.7126	8.63E-03		392.8937

3.34 Site 97 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	3.3184	36.8359				1.6041	1.6041		1.4894	1.4894			4,092.3355	1.1853		4,117.2266
Total	3.3184	36.8359			0.5303	1.6041	2.1344	0.0573	1.4894	1.5466			4,092.34	1.1853		4,117.23

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1158	1.1057			78.6245	0.0283	78.6528	7.8833	0.026	7.9094			392.7126	8.63E-03		392.8937

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	3.3184	36.8359				1.6041	1.6041		1.4894	1.4894			4,092.3355	1.1853		4,117.2266
Total	3.3184	36.8359			0.2028	1.6041	1.8069	0.0219	1.4894	1.5113			4,092.34	1.1853		4,117.23

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1158	1.1057			21.7881	0.0283	21.8164	2.2055	0.026	2.2315			392.7126	8.63E-03		392.8937

3.35 Site 132 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.1563	23.1201				1.0090	1.0090		0.9464	0.9464			2,622.2746	0.7343		2,637.6942
Total	2.1563	23.1201			0.5303	1.009	1.5392	0.0573	0.9464	1.0036			2,622.27	0.7343		2,637.69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			60.9339	0.0193	60.9532	6.1121	0.0177	6.1299			308.2065	8.12E-03		308.377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	2.1563	23.1201				1.0090	1.0090		0.9464	0.9464			2,622.2746	0.7343		2,637.6942
Total	2.1563	23.1201			0.2028	1.009	1.2118	0.0219	0.9464	0.9683			2,622.27	0.7343		2,637.69

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			16.8957	0.0193	16.915	1.7124	0.0177	1.7302			308.2065	8.12E-03		308.377

3.36 Site 99 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	3.2442	35.7290				1.5293	1.5293		1.4251	1.4251			3,986.4009	1.1415		4,010.3727
Total	3.2442	35.729			0.5303	1.5293	2.0596	0.0573	1.4251	1.4824			3,986.40	1.1415		4,010.37

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			38.3288	1.6000e-003	38.3304	3.8546	1.4700e-003	3.8560			203.5248	0.0106		203.7474
Total	0.1472	1.1391			91.4008	0.0288	91.4296	9.1682	0.0265	9.1947			460.5541	0.0122		460.8095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	3.2442	35.7290				1.5293	1.5293		1.4251	1.4251			3,986.4009	1.1415		4,010.3727
Total	3.2442	35.729			0.2028	1.5293	1.7322	0.0219	1.4251	1.447			3,986.40	1.1415		4,010.37

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			10.6663	1.6000e-003	10.6679	1.0894	1.4700e-003	1.0908			203.5248	0.0106		203.7474

Total	0.1472	1.1391			25.3435	0.0288	25.3724	2.5686	0.0265	2.5951			460.5541	0.0122		460.8095
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3.37 Site 97 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000				0.0000
Off-Road	3.2442	35.7290				1.5293	1.5293		1.4251	1.4251			3,986.4009	1.1415			4,010.3727
Total	3.2442	35.729			0.5303	1.5293	2.0596	0.0573	1.4251	1.4824			3,986.40	1.1415			4,010.37

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003			257.0621
Worker	0.0941	0.1000			38.3288	1.6000e-003	38.3304	3.8546	1.4700e-003	3.8560			203.5248	0.0106			203.7474
Total	0.1472	1.1391			91.4008	0.0288	91.4296	9.1682	0.0265	9.1947			460.5541	0.0122			460.8095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	3.2442	35.7290				1.5293	1.5293		1.4251	1.4251			3,986.4009	1.1415		4,010.3727
Total	3.2442	35.729			0.2028	1.5293	1.7322	0.0219	1.4251	1.447			3,986.40	1.1415		4,010.37

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			10.6663	1.6000e-003	10.6679	1.0894	1.4700e-003	1.0908			203.5248	0.0106		203.7474
Total	0.1472	1.1391			25.3435	0.0288	25.3724	2.5686	0.0265	2.5951			460.5541	0.0122		460.8095

3.38 Site 132 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	6.3607	76.3222				2.8634	2.8634		2.6343	2.6343			8,450.2296	2.5228		8,503.2072

Total	6.3607	76.3222			0.5303	2.8634	3.3937	0.0573	2.6343	2.6916			8,450.23	2.5228		8,503.21
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0470	0.0500			19.1644	8.0000e-004	19.1652	1.9273	7.3000e-004	1.9280			101.7624	5.3000e-003		101.8737
Total	0.1002	1.0891			72.2364	0.028	72.2644	7.2409	0.0258	7.2667			358.7918	6.86E-03		358.9358

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	6.3607	76.3222				2.8634	2.8634		2.6343	2.6343			8,450.2296	2.5228		8,503.2072
Total	6.3607	76.3222			0.2028	2.8634	3.0662	0.0219	2.6343	2.6562			8,450.23	2.5228		8,503.21

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0470	0.0500			5.3331	8.0000e-004	5.3339	0.5447	7.3000e-004	0.5454			101.7624	5.3000e-003		101.8737
Total	0.1002	1.0891			20.0104	0.028	20.0384	2.024	0.0258	2.0497			358.7918	6.86E-03		358.9358

3.39 Site 128 LST Removal - 2015
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.1563	23.1201				1.0090	1.0090		0.9464	0.9464			2,622.2746	0.7343		2,637.6942
Total	2.1563	23.1201			0.5303	1.009	1.5392	0.0573	0.9464	1.0036			2,622.27	0.7343		2,637.69

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			60.9339	0.0193	60.9532	6.1121	0.0177	6.1299			308.2065	8.12E-03		308.377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000				0.0000
Off-Road	2.1563	23.1201				1.0090	1.0090		0.9464	0.9464			2,622.2746	0.7343			2,637.6942
Total	2.1563	23.1201			0.2028	1.009	1.2118	0.0219	0.9464	0.9683			2,622.27	0.7343			2,637.69

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			16.8957	0.0193	16.915	1.7124	0.0177	1.7302			308.2065	8.12E-03		308.377

3.40 Wood Pole Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	5.0085	58.0023				2.3833	2.3833		2.2039	2.2039			6,056.4720	1.7777		6,093.8046
Total	5.0085	58.0023			0.5303	2.3833	2.9135	0.0573	2.2039	2.2612			6,056.47	1.7777		6,093.80

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0470	0.0500			19.1644	8.0000e-004	19.1652	1.9273	7.3000e-004	1.9280			101.7624	5.3000e-003		101.8737
Total	0.0857	0.7569			54.5457	0.019	54.5648	5.4697	0.0175	5.4872			274.2857	6.35E-03		274.4191

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	5.0085	58.0023				2.3833	2.3833		2.2039	2.2039			6,056.4720	1.7777		6,093.8046
Total	5.0085	58.0023			0.2028	2.3833	2.5861	0.0219	2.2039	2.2258			6,056.47	1.7777		6,093.80

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0470	0.0500			5.3331	8.0000e-004	5.3339	0.5447	7.3000e-004	0.5454			101.7624	5.3000e-003		101.8737
Total	0.0857	0.7569			15.118	0.019	15.137	1.5309	0.0175	1.5484			274.2857	6.35E-03		274.4191

3.41 Seg 4 LST Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.0998	23.2136				1.0855	1.0855		1.0168	1.0168			2,089.0872	0.5751		2,101.1641
Total	2.0998	23.2136			0	1.0855	1.0855	0	1.0168	1.0168			2,089.09	0.5751		2,101.16

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			35.3814	0.0182	35.3996	3.5424	0.0168	3.5592			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			25.5525	1.0700e-003	25.5536	2.5697	9.8000e-004	2.5707			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			60.9339	0.0193	60.9532	6.1121	0.0177	6.1299			308.2065	8.12E-03		308.377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.0998	23.2136				1.0855	1.0855		1.0168	1.0168			2,089.0872	0.5751		2,101.1641
Total	2.0998	23.2136			0	1.0855	1.0855	0	1.0168	1.0168			2,089.09	0.5751		2,101.16

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0387	0.7069			9.7849	0.0182	9.8031	0.9862	0.0168	1.0030			172.5233	1.0500e-003		172.5454
Worker	0.0627	0.0667			7.1109	1.0700e-003	7.1119	0.7262	9.8000e-004	0.7272			135.6832	7.0700e-003		135.8316
Total	0.1014	0.7736			16.8957	0.0193	16.915	1.7124	0.0177	1.7302			308.2065	8.12E-03		308.377

3.42 Site 128 Install J-Tower Footings - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000				0.0000
Off-Road	3.2454	38.7596				1.4865	1.4865		1.3676	1.3676			4,281.7539	1.2783			4,308.5979
Total	3.2454	38.7596			0.5303	1.4865	2.0168	0.0573	1.3676	1.4249			4,281.75	1.2783			4,308.60

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0470	0.0500			19.1644	8.0000e-004	19.1652	1.9273	7.3000e-004	1.9280			101.7624	5.3000e-003		101.8737

Total	0.1002	1.0891			72.2364	0.028	72.2644	7.2409	0.0258	7.2667			358.7918	6.86E-03		358.9358
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000				0.0000
Off-Road	3.2454	38.7596				1.4865	1.4865		1.3676	1.3676			4,281.7539	1.2783			4,308.5979
Total	3.2454	38.7596			0.2028	1.4865	1.6894	0.0219	1.3676	1.3895			4,281.75	1.2783			4,308.60

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003			257.0621
Worker	0.0470	0.0500			5.3331	8.0000e-004	5.3339	0.5447	7.3000e-004	0.5454			101.7624	5.3000e-003			101.8737
Total	0.1002	1.0891			20.0104	0.028	20.0384	2.024	0.0258	2.0497			358.7918	6.86E-03			358.9358

3.43 Site 132 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	3.9206	43.6949				1.8336	1.8336		1.7050	1.7050			4,893.9158	1.4125		4,923.5772
Total	3.9206	43.6949			0.5303	1.8336	2.3639	0.0573	1.705	1.7623			4,893.92	1.4125		4,923.58

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			38.3288	1.6000e-003	38.3304	3.8546	1.4700e-003	3.8560			203.5248	0.0106		203.7474
Total	0.1472	1.1391			91.4008	0.0288	91.4296	9.1682	0.0265	9.1947			460.5541	0.0122		460.8095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	3.9206	43.6949				1.8336	1.8336		1.7050	1.7050			4,893.9158	1.4125		4,923.5772

Total	3.9206	43.6949			0.2028	1.8336	2.0364	0.0219	1.705	1.7269			4,893.92	1.4125		4,923.58
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			10.6663	1.6000e-003	10.6679	1.0894	1.4700e-003	1.0908			203.5248	0.0106		203.7474
Total	0.1472	1.1391			25.3435	0.0288	25.3724	2.5686	0.0265	2.5951			460.5541	0.0122		460.8095

3.44 Site 128 J-Tower Assembly & Erection - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	4.6664	50.0289				2.4090	2.4090		2.2344	2.2344			4,970.9550	1.4355		5,001.0994
Total	4.6664	50.0289			0.5303	2.409	2.9393	0.0573	2.2344	2.2917			4,970.96	1.4355		5,001.10

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			53.0720	0.0272	53.0992	5.3136	0.0251	5.3387			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			38.3288	1.6000e-003	38.3304	3.8546	1.4700e-003	3.8560			203.5248	0.0106		203.7474
Total	0.1472	1.1391			91.4008	0.0288	91.4296	9.1682	0.0265	9.1947			460.5541	0.0122		460.8095

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	4.6664	50.0289				2.4090	2.4090		2.2344	2.2344			4,970.9550	1.4355		5,001.0994
Total	4.6664	50.0289			0.2028	2.409	2.6119	0.0219	2.2344	2.2563			4,970.96	1.4355		5,001.10

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0531	1.0391			14.6773	0.0272	14.7045	1.4793	0.0251	1.5043			257.0294	1.5600e-003		257.0621
Worker	0.0941	0.1000			10.6663	1.6000e-003	10.6679	1.0894	1.4700e-003	1.0908			203.5248	0.0106		203.7474
Total	0.1472	1.1391			25.3435	0.0288	25.3724	2.5686	0.0265	2.5951			460.5541	0.0122		460.8095

3.45 Seg 4 LST Foundation Removal - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	1.5930	17.0645				0.7918	0.7918		0.7465	0.7465			1,936.3603	0.5295			1,947.4797
Total	1.593	17.0645			0	0.7918	0.7918	0	0.7465	0.7465			1,936.36	0.5295			1,947.48

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0193	0.3535			17.6907	9.1100e-003	17.6998	1.7712	8.3800e-003	1.7796			86.2616	5.3000e-004		86.2727
Worker	0.0314	0.0333			12.7763	5.3000e-004	12.7768	1.2849	4.9000e-004	1.2853			67.8416	3.5300e-003		67.9158
Total	0.0507	0.3868			30.4669	9.64E-03	30.4766	3.0561	8.87E-03	3.0649			154.1032	4.06E-03		154.1885

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.5930	17.0645				0.7918	0.7918		0.7465	0.7465			1,936.3603	0.5295		1,947.4797
Total	1.593	17.0645			0	0.7918	0.7918	0	0.7465	0.7465			1,936.36	0.5295		1,947.48

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0193	0.3535			4.8924	9.1100e-003	4.9015	0.4931	8.3800e-003	0.5015			86.2616	5.3000e-004		86.2727
Worker	0.0314	0.0333			3.5554	5.3000e-004	3.5560	0.3631	4.9000e-004	0.3636			67.8416	3.5300e-003		67.9158
Total	0.0507	0.3868			8.4479	9.64E-03	8.4575	0.8562	8.87E-03	0.8651			154.1032	4.06E-03		154.1885

3.46 Santa Clara Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4283	4.7431				0.2052	0.2052		0.1887	0.1887			459.4537	0.1372		462.3342
Total	0.4283	4.7431			0	0.2052	0.2052	0	0.1887	0.1887			459.4537	0.1372		462.3342

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0157	0.0167			6.3881	2.7000e-004	6.3884	0.6424	2.4000e-004	0.6427			33.9208	1.7700e-003		33.9579
Total	0.0157	0.0167			6.3881	2.70E-04	6.3884	0.6424	2.40E-04	0.6427			33.9208	1.77E-03		33.9579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4283	4.7431				0.2052	0.2052		0.1887	0.1887			459.4537	0.1372		462.3342
Total	0.4283	4.7431			0	0.2052	0.2052	0	0.1887	0.1887			459.4537	0.1372		462.3342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0157	0.0167			1.7777	2.7000e-004	1.7780	0.1816	2.4000e-004	0.1818			33.9208	1.7700e-003		33.9579
Total	0.0157	0.0167			1.7777	2.70E-04	1.778	0.1816	2.40E-04	0.1818			33.9208	1.77E-03		33.9579

3.47 Casitas Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.2673	12.7720				0.7766	0.7766		0.7145	0.7145			864.9637	0.2582		870.3865
Total	1.2673	12.772			0.5303	0.7766	1.3069	0.0573	0.7145	0.7718			864.9637	0.2582		870.3865

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0392	0.0417			15.9703	6.7000e-004	15.9710	1.6061	6.1000e-004	1.6067			84.8020	4.4200e-003		84.8948
Total	0.0392	0.0417			15.9703	6.70E-04	15.971	1.6061	6.10E-04	1.6067			84.802	4.42E-03		84.8948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000				0.0000
Off-Road	1.2673	12.7720				0.7766	0.7766		0.7145	0.7145			864.9637	0.2582			870.3865
Total	1.2673	12.772			0.2028	0.7766	0.9795	0.0219	0.7145	0.7364			864.9637	0.2582			870.3865

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0392	0.0417			4.4443	6.7000e-004	4.4450	0.4539	6.1000e-004	0.4545			84.8020	4.4200e-003		84.8948

Total	0.0392	0.0417			4.4443	6.70E-04	4.445	0.4539	6.10E-04	0.4545			84.802	4.42E-03		84.8948
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3.48 Carpinteria Maintenance - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	0.4283	4.7431				0.2052	0.2052		0.1887	0.1887			459.4537	0.1372			462.3342
Total	0.4283	4.7431			0	0.2052	0.2052	0	0.1887	0.1887			459.4537	0.1372			462.3342

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Worker	0.0157	0.0167			6.3881	2.7000e-004	6.3884	0.6424	2.4000e-004	0.6427			33.9208	1.7700e-003			33.9579
Total	0.0157	0.0167			6.3881	2.70E-04	6.3884	0.6424	2.40E-04	0.6427			33.9208	1.77E-03			33.9579

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4283	4.7431				0.2052	0.2052		0.1887	0.1887			459.4537	0.1372		462.3342
Total	0.4283	4.7431			0	0.2052	0.2052	0	0.1887	0.1887			459.4537	0.1372		462.3342

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0157	0.0167			1.7777	2.7000e-004	1.7780	0.1816	2.4000e-004	0.1818			33.9208	1.7700e-003		33.9579
Total	0.0157	0.0167			1.7777	2.70E-04	1.778	0.1816	2.40E-04	0.1818			33.9208	1.77E-03		33.9579

3.48 Carpinteria Maintenance - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4033	4.3669				0.1880	0.1880		0.1729	0.1729			454.6262	0.1371		457.5060

Total	0.4033	4.3669			0	0.188	0.188	0	0.1729	0.1729			454.6262	0.1371		457.506
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.4033	4.3669				0.1880	0.1880		0.1729	0.1729			454.6262	0.1371		457.5060
Total	0.4033	4.3669			0	0.188	0.188	0	0.1729	0.1729			454.6262	0.1371		457.506

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.49 Casitas Test - 2015

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1428	1.5810				0.0684	0.0684		0.0629	0.0629			153.1512	0.0457		154.1114
Total	0.1428	1.581			0	0.0684	0.0684	0	0.0629	0.0629			153.1512	0.0457		154.1114

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.8400e-003	8.3300e-003			3.1941	1.3000e-004	3.1942	0.3212	1.2000e-004	0.3213			16.9604	8.8000e-004		16.9790
Total	7.84E-03	8.33E-03			3.1941	1.30E-04	3.1942	0.3212	1.20E-04	0.3213			16.9604	8.80E-04		16.979

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	0.1428	1.5810				0.0684	0.0684		0.0629	0.0629			153.1512	0.0457			154.1114
Total	0.1428	1.581			0	0.0684	0.0684	0	0.0629	0.0629			153.1512	0.0457			154.1114

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.8400e-003	8.3300e-003			0.8889	1.3000e-004	0.8890	0.0908	1.2000e-004	0.0909			16.9604	8.8000e-004		16.9790
Total	7.84E-03	8.33E-03			0.8889	1.30E-04	0.889	0.0908	1.20E-04	0.0909			16.9604	8.80E-04		16.979

Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1428	1.5810				0.0684	0.0684		0.0629	0.0629			153.1512	0.0457		154.1114
Total	0.1428	1.581			0	0.0684	0.0684	0	0.0629	0.0629			153.1512	0.0457		154.1114

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.8400e-003	8.3300e-003			0.8889	1.3000e-004	0.8890	0.0908	1.2000e-004	0.0909			16.9604	8.8000e-004		16.9790
Total	7.84E-03	8.33E-03			0.8889	1.30E-04	0.889	0.0908	1.20E-04	0.0909			16.9604	8.80E-04		16.979

3.50 Santa Clara Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.1100e-003	7.4800e-003			3.1941	1.3000e-004	3.1942	0.3212	1.2000e-004	0.3213			16.3606	8.1000e-004		16.3776
Total	7.11E-03	7.48E-03			3.1941	1.30E-04	3.1942	0.3212	1.20E-04	0.3213			16.3606	8.10E-04		16.3776

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.1100e-003	7.4800e-003			0.8889	1.3000e-004	0.8890	0.0908	1.2000e-004	0.0909			16.3606	8.1000e-004		16.3776
Total	7.11E-03	7.48E-03			0.8889	1.30E-04	0.889	0.0908	1.20E-04	0.0909			16.3606	8.10E-04		16.3776

3.51 Carpinteria Test - 2016
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.1100e-003	7.4800e-003			3.1941	1.3000e-004	3.1942	0.3212	1.2000e-004	0.3213			16.3606	8.1000e-004		16.3776

Total	7.11E-03	7.48E-03			3.1941	1.30E-04	3.1942	0.3212	1.20E-04	0.3213			16.3606	8.10E-04		16.3776
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	7.1100e-003	7.4800e-003			0.8889	1.3000e-004	0.8890	0.0908	1.2000e-004	0.0909			16.3606	8.1000e-004		16.3776
Total	7.11E-03	7.48E-03			0.8889	1.30E-04	0.889	0.0908	1.20E-04	0.0909			16.3606	8.10E-04		16.3776

3.52 Golita Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020

Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.53 Santa Barbara Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.54 Golita Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.55 Santa Barbara Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000	
Off-Road	0.1344	1.4556				0.0627	0.0627			0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502	

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000	
Off-Road	0.1344	1.4556				0.0627	0.0627			0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502	

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.56 Ortega Electrical - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551

Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551
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3.57 Ortega Test - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457			152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457			152.502

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			6.3881	2.5000e-004	6.3884	0.6424	2.3000e-004	0.6427			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			6.3881	2.50E-04	6.3884	0.6424	2.30E-04	0.6427			32.7212	1.62E-03		32.7551

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.1344	1.4556				0.0627	0.0627		0.0576	0.0576			151.5421	0.0457		152.5020
Total	0.1344	1.4556			0	0.0627	0.0627	0	0.0576	0.0576			151.5421	0.0457		152.502

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0142	0.0150			1.7777	2.5000e-004	1.7780	0.1816	2.3000e-004	0.1818			32.7212	1.6200e-003		32.7551
Total	0.0142	0.015			1.7777	2.50E-04	1.778	0.1816	2.30E-04	0.1818			32.7212	1.62E-03		32.7551

3.58 LWS Pole Haul - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	1.5367	18.4359				0.7225	0.7225		0.6647	0.6647			2,046.3262	0.6172		2,059.2883

Total	1.5367	18.4359			0.5303	0.7225	1.2527	0.0573	0.6647	0.7219			2,046.33	0.6172		2,059.29
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0297	0.5917			35.3814	0.0160	35.3974	3.5425	0.0147	3.5572			169.1914	9.1000e-004		169.2105
Worker	0.0285	0.0299			12.7763	5.1000e-004	12.7768	1.2849	4.7000e-004	1.2853			65.4424	3.2300e-003		65.5103
Total	0.0581	0.6216			48.1577	0.0165	48.1742	4.8273	0.0152	4.8425			234.6338	4.14E-03		234.7208

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	1.5367	18.4359				0.7225	0.7225		0.6647	0.6647			2,046.3262	0.6172		2,059.2883
Total	1.5367	18.4359			0.2028	0.7225	0.9253	0.0219	0.6647	0.6866			2,046.33	0.6172		2,059.29

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0297	0.5917			9.7849	0.0160	9.8009	0.9862	0.0147	1.0010			169.1914	9.1000e-004		169.2105
Worker	0.0285	0.0299			3.5554	5.1000e-004	3.5559	0.3631	4.7000e-004	0.3636			65.4424	3.2300e-003		65.5103
Total	0.0581	0.6216			13.3403	0.0165	13.3569	1.3493	0.0152	1.3645			234.6338	4.14E-03		234.7208

3.59 LWS Pole Assembly - 2016
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	2.8027	30.6269				1.5642	1.5642		1.4471	1.4471			2,640.7970	0.7700		2,656.9678
Total	2.8027	30.6269			0.5303	1.5642	2.0945	0.0573	1.4471	1.5044			2,640.80	0.77		2,656.97

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0682	1.2235			70.7629	0.0322	70.7951	7.0849	0.0296	7.1145			341.8703	1.8600e-003		341.9094
Worker	0.0569	0.0599			25.5525	1.0200e-003	25.5535	2.5697	9.3000e-004	2.5706			130.8847	6.4700e-003		131.0205
Total	0.1251	1.2833			96.3154	0.0332	96.3486	9.6546	0.0306	9.6852			472.7551	8.33E-03		472.9299

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000				0.0000
Off-Road	2.8027	30.6269				1.5642	1.5642		1.4471	1.4471			2,640.7970	0.7700			2,656.9678
Total	2.8027	30.6269			0.2028	1.5642	1.767	0.0219	1.4471	1.469			2,640.80	0.77			2,656.97

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0682	1.2235			19.5699	0.0322	19.6021	1.9725	0.0296	2.0021			341.8703	1.8600e-003		341.9094
Worker	0.0569	0.0599			7.1109	1.0200e-003	7.1119	0.7262	9.3000e-004	0.7272			130.8847	6.4700e-003		131.0205
Total	0.1251	1.2833			26.6807	0.0332	26.7139	2.6987	0.0306	2.7292			472.7551	8.33E-03		472.9299

3.60 Instal LWS Pole - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000				0.0000
Off-Road	2.4503	29.0647				1.1650	1.1650		1.0718	1.0718			3,310.0905	0.9984			3,331.0578
Total	2.4503	29.0647			0.5303	1.165	1.6952	0.0573	1.0718	1.129			3,310.09	0.9984			3,331.06

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000			0.0000
Vendor	0.0297	0.5917			35.3814	0.0160	35.3974	3.5425	0.0147	3.5572			169.1914	9.1000e-004			169.2105
Worker	0.0427	0.0449			19.1644	7.6000e-004	19.1652	1.9273	7.0000e-004	1.9280			98.1636	4.8500e-003			98.2654
Total	0.0724	0.6366			54.5458	0.0168	54.5626	5.4697	0.0154	5.4852			267.3549	5.76E-03			267.4759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	2.4503	29.0647				1.1650	1.1650		1.0718	1.0718			3,310.0905	0.9984		3,331.0578
Total	2.4503	29.0647			0.2028	1.165	1.3678	0.0219	1.0718	1.0937			3,310.09	0.9984		3,331.06

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0297	0.5917			9.7849	0.0160	9.8009	0.9862	0.0147	1.0010			169.1914	9.1000e-004		169.2105
Worker	0.0427	0.0449			5.3331	7.6000e-004	5.3339	0.5447	7.0000e-004	0.5454			98.1636	4.8500e-003		98.2654
Total	0.0724	0.6366			15.118	0.0168	15.1348	1.5309	0.0154	1.5463			267.3549	5.76E-03		267.4759

3.61 Install PRGW&FRC - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	11.6228	134.7626				5.2905	5.2905		4.8672	4.8672			15,870.0532	4.7870		15,970.5796
Total	11.6228	134.7626			0.5303	5.2905	5.8207	0.0573	4.8672	4.9245			15,870.05	4.787		15,970.58

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1423	0.1497			63.8813	2.5400e-003	63.8838	6.4243	2.3300e-003	6.4266			327.2118	0.0162		327.5513
Total	0.1423	0.1497			63.8813	2.54E-03	63.8838	6.4243	2.33E-03	6.4266			327.2118	0.0162		327.5513

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	11.6228	134.7626				5.2905	5.2905		4.8672	4.8672			15,870.0532	4.7870		15,970.5796
Total	11.6228	134.7626			0.2028	5.2905	5.4933	0.0219	4.8672	4.8891			15,870.05	4.787		15,970.58

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.1423	0.1497			17.7771	2.5400e-003	17.7797	1.8156	2.3300e-003	1.8179			327.2118	0.0162		327.5513
Total	0.1423	0.1497			17.7771	2.54E-03	17.7797	1.8156	2.33E-03	1.8179			327.2118	0.0162		327.5513

3.62 Guard Structure Removal - 2016
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4396	0.0000	1.4396	0.2180	0.0000	0.2180			0.0000			0.0000
Off-Road	2.0990	23.6958				0.9974	0.9974		0.9256	0.9256			2,611.6087	0.7612		2,627.5947
Total	2.099	23.6958			1.4396	0.9974	2.4369	0.218	0.9256	1.1436			2,611.61	0.7612		2,627.59

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1066	1.9263			21.8237	0.0290	21.8527	2.1975	0.0267	2.2241			476.7721	2.9300e-003		476.8337
Vendor	0.0341	0.6117			35.3814	0.0161	35.3975	3.5425	0.0148	3.5573			170.9352	9.3000e-004		170.9547
Worker	0.0427	0.0449			19.1644	7.6000e-004	19.1652	1.9273	7.0000e-004	1.9280			98.1636	4.8500e-003		98.2654

Total	0.1834	2.583			76.3695	0.0459	76.4153	7.6672	0.0422	7.7094			745.8708	8.71E-03		746.0538
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.5506	0.0000	0.5506	0.0834	0.0000	0.0834			0.0000				0.0000
Off-Road	2.0990	23.6958				0.9974	0.9974		0.9256	0.9256			2,611.6087	0.7612			2,627.5947
Total	2.099	23.6958			0.5506	0.9974	1.548	0.0834	0.9256	1.009			2,611.61	0.7612			2,627.59

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1066	1.9263			6.0821	0.0290	6.1111	0.6239	0.0267	0.6506			476.7721	2.9300e-003		476.8337
Vendor	0.0341	0.6117			9.7849	0.0161	9.8010	0.9862	0.0148	1.0010			170.9352	9.3000e-004		170.9547
Worker	0.0427	0.0449			5.3331	7.6000e-004	5.3339	0.5447	7.0000e-004	0.5454			98.1636	4.8500e-003		98.2654
Total	0.1834	2.583			21.2001	0.0459	21.246	2.1548	0.0422	2.197			745.8708	8.71E-03		746.0538

3.63 Duct Bank Installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	4.0918	46.1166				1.8295	1.8295		1.6912	1.6912			5,769.7118	1.7138		5,805.7023
Total	4.0918	46.1166			0.5303	1.8295	2.3597	0.0573	1.6912	1.7484			5,769.71	1.7138		5,805.70

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0427	0.0449			19.1644	7.6000e-004	19.1652	1.9273	7.0000e-004	1.9280			98.1636	4.8500e-003		98.2654
Total	0.0427	0.0449			19.1644	7.60E-04	19.1652	1.9273	7.00E-04	1.928			98.1636	4.85E-03		98.2654

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	4.0918	46.1166				1.8295	1.8295		1.6912	1.6912			5,769.7118	1.7138		5,805.7022

Total	4.0918	46.1166			0.2028	1.8295	2.0323	0.0219	1.6912	1.7131			5,769.71	1.7138		5,805.70
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0427	0.0449			5.3331	7.6000e-004	5.3339	0.5447	7.0000e-004	0.5454			98.1636	4.8500e-003		98.2654
Total	0.0427	0.0449			5.3331	7.60E-04	5.3339	0.5447	7.00E-04	0.5454			98.1636	4.85E-03		98.2654

3.64 UG Cable Installation - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	4.7337	54.0110				2.3679	2.3679		2.1785	2.1785			5,706.2929	1.7212		5,742.4385
Total	4.7337	54.011			0.5303	2.3679	2.8982	0.0573	2.1785	2.2358			5,706.29	1.7212		5,742.44

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0569	0.0599			25.5525	1.0200e-003	25.5535	2.5697	9.3000e-004	2.5706			130.8847	6.4700e-003		131.0205
Total	0.0569	0.0599			25.5525	1.02E-03	25.5535	2.5697	9.30E-04	2.5706			130.8847	6.47E-03		131.0205

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2028	0.0000	0.2028	0.0219	0.0000	0.0219			0.0000			0.0000
Off-Road	4.7337	54.0110				2.3679	2.3679		2.1785	2.1785			5,706.2929	1.7212		5,742.4385
Total	4.7337	54.011			0.2028	2.3679	2.5708	0.0219	2.1785	2.2004			5,706.29	1.7212		5,742.44

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Worker	0.0569	0.0599			7.1109	1.0200e-003	7.1119	0.7262	9.3000e-004	0.7272			130.8847	6.4700e-003		131.0205
Total	0.0569	0.0599			7.1109	1.02E-03	7.1119	0.7262	9.30E-04	0.7272			130.8847	6.47E-03		131.0205

3.65 Restoration - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0705	0.0000	0.0705	7.6100e-003	0.0000	7.6100e-003			0.0000				0.0000
Off-Road	1.9456	23.8293				0.8819	0.8819		0.8114	0.8114			2,708.1397	0.8169			2,725.2940
Total	1.9456	23.8293			0.0705	0.8819	0.9524	7.61E-03	0.8114	0.819			2,708.14	0.8169			2,725.29

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0341	0.6117			35.3814	0.0161	35.3975	3.5425	0.0148	3.5573			170.9352	9.3000e-004		170.9547
Worker	0.0498	0.0524			22.3585	8.9000e-004	22.3593	2.2485	8.2000e-004	2.2493			114.5241	5.6600e-003		114.6429
Total	0.0839	0.6641			57.7399	0.017	57.7569	5.791	0.0156	5.8066			285.4593	6.59E-03		285.5976

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0270	0.0000	0.0270	2.9100e-003	0.0000	2.9100e-003			0.0000			0.0000
Off-Road	1.9456	23.8293				0.8819	0.8819		0.8114	0.8114			2,708.1397	0.8169		2,725.2940
Total	1.9456	23.8293			0.027	0.8819	0.9089	2.91E-03	0.8114	0.8143			2,708.14	0.8169		2,725.29

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Vendor	0.0341	0.6117			9.7849	0.0161	9.8010	0.9862	0.0148	1.0010			170.9352	9.3000e-004		170.9547
Worker	0.0498	0.0524			6.2220	8.9000e-004	6.2229	0.6355	8.2000e-004	0.6363			114.5241	5.6600e-003		114.6429
Total	0.0839	0.6641			16.0069	0.017	16.0239	1.6217	0.0156	1.6373			285.4593	6.59E-03		285.5976

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.474028	0.063287	0.180321	0.158861	0.070757	0.010543	0.013219	0.016605	0.000784	0.000665	0.005582	0.000318	0.005029

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000		0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000			0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000			0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

HELICOPTER (KAMAN K-MAX) EMISION CALCULATIONS

Type	Kaman K-Max	
Engine HP	1800 hp	
Fuel Burn Rate	85 gal/hr	(Lockheed 2010)
Fuel Type	Jet Fuel A	
High Heat Value	72.22 kg CO ₂ /MMBtu	(ARB 2012)
CO ₂ emission factor	0.135 MMBtu/gal	(ARB 2012)

Activity	Emissions lbs/hr			
	HC	NO _x	PM	CO ₂
Flight	0.33	8.18	0.44	1823
Idle	14.73	0.33	0.02	456

Construction Phase	Activity	# of Helicopters	Working Hrs	Emissions lbs/day			
				HC	NO _x	PM	CO ₂
Site 97 J-Tower Assembly & Erection	Flight	1	6	1.96	49.09	2.65	10939
	Idle		0.6	8.84	1.96	0.10	273
	TOTAL			10.8	51.05	2.75	11213
Site 99 J-Tower Assembly & Erection	Flight	1	6	1.96	49.09	2.65	10939
	Idle		0.6	8.84	1.96	0.10	273
	TOTAL			10.8	51.05	2.75	11213
Site 128 LST Removal	Flight	2	6	3.93	98.18	5.30	21878
	Idle		0.6	17.67	3.93	0.20	547
	TOTAL			21.6	102.11	5.50	22425
Site 128 J-Tower Assembly & Erection	Flight	1	6	1.96	49.09	2.65	10939
	Idle		0.6	8.84	1.96	0.10	273
	TOTAL			10.8	51.05	2.75	11213
Site 132 J-Tower LST Removal	Flight	2	6	3.93	98.18	5.30	21878
	Idle		0.6	17.67	3.93	0.20	547
	TOTAL			21.6	102.11	5.50	22425
Site 132 Install J-Tower Footings	Flight	1	4	1.31	32.73	1.77	7293
	Idle		0.4	5.89	1.31	0.07	182
	TOTAL			7.2	34.04	1.83	7475
Site 132 J-Tower Assembly & Erection	Flight	1	6	1.96	49.09	2.65	10939
	Idle		0.6	8.84	1.96	0.10	273
	TOTAL			10.8	51.05	2.75	11213
Remove Idle LST Removal	Flight	2	6	3.93	98.18	5.30	21878
	Idle		0.6	17.67	3.93	0.20	547
	TOTAL			21.6	102.11	5.50	22425

Construction Phase	Working Days	Emissions tons/yr			MT/yr
		HC	NO _x	PM	CO ₂
Site 97 J-Tower Assembly & Erection	1	0.005	0.026	0.001	4
Site 97 TOTAL		0.005	0.026	0.001	4
Site 99 J-Tower Assembly & Erection	1	0.005	0.026	0.001	4
Site 99 TOTAL		0.005	0.026	0.001	4
Site 128 LST Removal	1	0.011	0.051	0.003	8
Site 128 J-Tower Assembly & Erection	1	0.005	0.026	0.001	4
Site 128 TOTAL		0.016	0.077	0.004	13
Site 132 J-Tower LST Removal	1	0.011	0.051	0.003	8
Site 132 Install J-Tower Footings	1	0.004	0.017	0.001	3
Site 132 J-Tower Assembly & Erection	1	0.0054	0.0255	0.0014	4
Site 132 TOTAL		0.0198	0.0936	0.0050	15
Remove Idle LST Removal	1	0.0108	0.051	0.0027	8
Remove Idle TOTAL		0.011	0.051	0.003	8

Notes

Emission factors for 1100 hp T53-L011D engine helicopter obtained from Antelope Transmission Project - Segments 2 & 3 EIR (CPUC 2006) and adjusted for Kaman K-Max engine hp (1500 hp).
 Flight hourly CO₂ emission rates based on fuel burn rate along with high heat value and CO₂ emission factor from ARB 2011 for Jet Fuel.
 Idling hourly CO₂ emission rates are estimated to be approximately 25% of the flight hourly emission rate.
 Idle time assumed 10% of working time for helicopters
 Hours and days of use for helicopter operation based on construction estimates presented in Scope Change tables

Sources

California Air Resources Board (ARB). Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)
 California Public Utilities Commission (CPUC). Southern California Edison's Antelope Transmission Project, Segments 2 and 3 Final Environmental Impact Report. 2006. (<http://www.cpuc.ca.gov/Environment/info/asp/asp2-3/atp2-3.htm>)
 Lockheed Martin Corporation. K-MAX Unmanned Aircraft System Brochure.
<http://www.lockheedmartin.com/content/dam/lockheed/data/ms2/documents/K-MAX-brochure.pdf>. 2010. Accessed October 29, 2013.

HELICOPTER (A-STAR AS350) EMISION CALCULATIONS

Type	A-Star AS350	
Engine HP	732 hp	(AE 2013)
Fuel Burn Rate	45 gal/hr	(IAT 2013)
Fuel Type	Jet Fuel A	
High Heat Value	72.22 kg CO2/MMBtu	(ARB 2012)
CO2 emission factor	0.135 MMBtu/gal	(ARB 2012)

Activity	Emissions lbs/hr			
	HC	NOx	PM	CO2
Flight	0.13	3.33	0.18	965
Idle	5.99	0.13	0.01	241

Construction Phase	Activity	# of Helicopters	Working Hrs	Emissions lbs/day			
				HC	NOx	PM	CO2
Site 132 Install J-Tower Footings	Flight	2	4	1.06	26.62	1.44	7722
	Idle		0.4	4.79	1.06	0.05	193
	TOTAL			5.856	27.68	1.49	7915

Construction Phase	Working Days	Emissions tons/yr			MT/yr
		HC	NOx	PM	CO2
Site 132 Install J-Tower Foundations	1	0.003	0.014	0.001	3
TOTAL Site 132		0.003	0.014	0.001	2.954

Notes

Emission factors for 1100 hp T53-L011D engine helicopter obtained from Antelope Transmission Project - Segments 2 & 3 EIR (CPUC 2006) and adjusted for A-Star AS350 engine hp (732 hp).

Flight hourly CO2 emission rates based on fuel burn rate along with high heat value and CO2 emission factor from ARB 2011 for Jet Fuel. Idling hourly CO2 emission rates are estimated to be approximately 25% of the flight hourly emission rate.

Idle time assumed 10% of working time for helicopters

Hours and days of use for helicopter operation based on construction estimates presented in Scope Change tables.

Sources

American Eurocopter (AE). AS350 B2 Specifications. <http://www.eurocopterusa.com/products/AS350B2-specifications.asp>. Accessed November 12, 2013.

California Air Resources Board (ARB). Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. California Public Utilities Commission (CPUC). Southern California Edison's Antelope Transmission Project, Segments 2 and 3 Final Environmental Impact Report. 2006. (<http://www.cpuc.ca.gov/Environment/info/asp/atp2-3/atp2-3.htm>)

Interagency Aviation Training (IAT). IAT Aircraft Library. https://www.iat.gov/aircraft_library/helicopters/as-350.html. Accessed November 12, 2013.

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C2 – Ecology and Environment, Inc., Air Calculations, Project Options

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**SBCRP - Underground Options Emissions
Emissions Summary**

**Table 1
Option C: Peak Daily Criteria Pollutant Construction Emissions by Activity**

Activity	ROG (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Vault Installation	10.85	41.83	83.07	0.14	66.80	9.95
Duct Bank Installation	3.08	19.35	19.20	0.04	62.69	7.09
Install Underground Cable	11.53	40.00	86.61	0.15	4.24	2.88
Distribution Relocation - Cable and Civil	6.92	33.36	54.60	0.09	24.82	4.53
TOTAL Peak Daily Undergrounding Emissions	32.37	134.55	243.47	0.42	158.55	24.45

Assumption: Construction of Option C would occur along a 0.89-mile length and a total duration of 30 days

**Table 2
Option C: Total Criteria Pollutant Emissions from Underground Construction**

Activity	ROG	CO	NOX	SOX	PM10	PM2.5
Vault Installation	325.44	1254.99	2491.97	4.30	2003.96	298.40
Duct Bank Installation	92.25	580.64	575.97	1.22	1880.85	212.84
Install Underground Cable	345.83	1200.06	2598.36	4.49	127.12	86.40
Distribution Relocation - Cable and Civil	207.70	1000.93	1637.89	2.57	744.63	135.87
TOTAL Underground Construction Emissions (lbs)	971	4037	7304	13	4757	734
TOTAL Underground Construction Emissions (tons)	0.49	2.02	3.65	0.006	2.38	0.37

Assumption: Construction of Option C would have a total duration of 30 days

**Table 3
Option C: Total Greenhouse Gas Emissions (GHG) Compared to Interim GHG Thresholds**

Phase	CO ₂ e (MT)
Vault Installation	52.02
Duct Bank Installation	3.57
Install Underground Cable	54.64
Distribution Relocation - Cable and Civil	37.97
TOTAL	148
Lead Agency GHG Threshold of Significance^a	10,000
Exceeds Threshold?	No

VOC = volatile organic compounds

CO = carbon monoxide

NOX = nitrogen oxides

SOX = sulfur oxides

PM10 = particulate matter measuring less than 10 microns

PM2.5 = particulate matter measuring less than 2.5 micron

lb/day = pounds per day

^a 10,000 MT/year of CO₂e threshold has been selected by the CPUC as significance criteria for GHG

Draft Guidance Document - Interim CEQA GHG Significance Threshold (October 2008)

**SBCRP - Underground Options Emissions
Emissions Summary**

**Table 4
Option D: Peak Daily Criteria Pollutant Construction Emissions by Activity**

Activity	ROG (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Vault Installation	10.85	41.83	83.07	0.14	66.83	9.95
Duct Bank Installation	3.08	19.35	19.20	0.04	62.69	7.09
Install Underground Cable	11.53	40.00	86.61	0.15	4.24	2.88
Distribution Relocation - Cable and Civil	6.92	33.36	54.60	0.09	24.82	4.53
TOTAL Peak Daily Undergrounding Emissions	32.37	134.55	243.47	0.42	158.58	24.46

Assumption: Construction of Option D would occur along a 3.4-length and a total duration of 91 days.

**Table 5
Option D: Total Criteria Pollutant Emissions from Underground Construction**

Activity	ROG	CO	NOX	SOX	PM10	PM2.5
Vault Installation	987	3807	7559	13	6081	906
Duct Bank Installation	280	1761	1747	4	5705	646
Install Underground Cable	1049	3640	7882	14	386	262
Distribution Relocation - Cable and Civil	630	3036	4968	8	2259	412
TOTAL Underground Construction Emissions (lbs)	2946	12244	22156	38	14431	2226
TOTAL Underground Construction Emissions (tons)	1.47	6.12	11.08	0.02	7.22	1.11

Assumption: Construction of Option D would have a total duration of 91 days.

**Table 6
Option E: Total Greenhouse Gas Emissions (GHG) Compared to Interim GHG Thresholds**

Phase	CO2e (MT)
Vault Installation	182.08
Duct Bank Installation	76.27
Install Underground Cable	54.64
Distribution Relocation - Cable and Civil	37.97
TOTAL	351
Lead Agency GHG Threshold of Significance^a	10,000
Exceeds Threshold?	No

VOC = volatile organic compounds

CO = carbon monoxide

NOX = nitrogen oxides

SOX = sulfur oxides

PM10 = particulate matter measuring less than 10 microns

PM2.5 = particulate matter measuring less than 2.5 micron

lb/day = pounds per day

^a 10,000 MT/year of CO2e threshold has been selected by the CPUC as significance criteria for GHG

Draft Guidance Document - Interim CEQA GHG Significance Threshold (October 2008)

**SBCRP - Underground Options Emissions
Vault Installation Emissions**

Option C: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	9.57	32.02	77.06	0.12	2.87	2.64	44.0
Onsite Motor Vehicle Exhaust	0.11	0.74	0.69	0.00	0.04	0.03	0.7
Onsite Motor Vehicle Fugitive PM	--	--	--	--	55.09	5.51	
Earthwork Fugitive PM	--	--	--	--	7.29	1.52	
Onsite Total	9.68	32.77	77.76	0.12	65.29	9.69	44.7
Offsite Motor Vehicle Exhaust	1.17	9.07	5.31	0.02	0.32	0.25	7.3
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.19	0.00	
Offsite Total	1.17	9.07	5.31	0.02	1.51	0.25	7.3
Total	10.85	41.83	83.07	0.14	66.80	9.95	52.0

Assumption: Vault installation for Option C would have a total duration of 8 days

Option C: Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Excavator	250	1	8	10
Crane (L)	500	1	8	10
Flat Bed Truck/Trailer	400	3	8	10
Backhoe/Front Loader	125	1	8	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Excavator	250	0.098	0.282	0.909	0.001	0.032	0.029	112.159	0.009
Crane (L)	500	0.147	0.495	1.298	0.002	0.047	0.043	180.101	0.013
Flat Bed Truck/Trailer	400	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Backhoe/Front Loader	125	0.092	0.586	0.716	0.001	0.038	0.035	101.387	0.008

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction=

0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Excavator	0.98	2.82	9.09	0.01	0.32	0.29
Crane (L)	1.47	4.95	12.98	0.02	0.47	0.43
Flat Bed Truck/Trailer	6.20	18.40	47.84	0.08	1.70	1.57
Backhoe/Front Loader	0.92	5.86	7.16	0.01	0.38	0.35
Total	9.57	32.02	77.06	0.12	2.87	2.64

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Excavator	4.1	0.0	4.1
Crane (L)	6.5	0.0	6.5
Flat Bed Truck/Trailer	29.6	0.0	29.7
Backhoe/Front Loader	3.7	0.0	3.7
Total	43.9	0.0	44.0

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
1-Ton Crew Cab, 4x4	2	8	N/A	3
Water Truck	1	8	N/A	10
Concrete Mixer Truck	3	8	N/A	3
Dump Truck	3	8	N/A	3
Lowboy Truck/Trailer	1	8	N/A	3
Worker Commute	20	8	N/A	3
Offsite				
1-Ton Crew Cab, 4x4	2	8	N/A	50
Water Truck	1	8	N/A	25
Concrete Mixer Truck	3	8	N/A	25
Dump Truck	3	8	N/A	25
Lowboy Truck/Trailer	1	8	N/A	25
Worker Commute	20	8	N/A	50

SBCRP - Underground Options Emissions
Vault Installation Emissions

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
1-Ton Crew Cab, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
1-Ton Crew Cab, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

^a From Table 28 or Table 29

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
1-Ton Crew Cab, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Water Truck	0.02	0.13	0.14	0.00	0.01	0.00
Concrete Mixer Truck	0.02	0.08	0.22	0.00	0.01	0.01
Dump Truck	0.02	0.08	0.22	0.00	0.01	0.01
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.11	0.74	0.69	0.00	0.04	0.03
Offsite						
1-Ton Crew Cab, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Water Truck	0.05	0.32	0.36	0.00	0.01	0.01
Concrete Mixer Truck	0.15	0.63	1.81	0.00	0.09	0.08
Dump Truck	0.15	0.63	1.81	0.00	0.09	0.08
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	1.17	9.07	5.31	0.02	0.32	0.25
Total	1.28	9.81	6.00	0.02	0.36	0.28

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
1-Ton Crew Cab, 4x4	0.0	0.0	0.0
Water Truck	0.1	0.0	0.1
Concrete Mixer Truck	0.1	0.0	0.1
Dump Truck	0.1	0.0	0.1
Lowboy Truck/Trailer	0.0	0.0	0.0
Worker Commute	0.2	0.0	0.2
Onsite Total	0.7	0.0	0.7
Offsite			
1-Ton Crew Cab, 4x4	0.4	0.0	0.4
Water Truck	0.3	0.0	0.3
Concrete Mixer Truck	1.1	0.0	1.1
Dump Truck	1.1	0.0	1.1
Lowboy Truck/Trailer	0.4	0.0	0.4
Worker Commute	4.0	0.0	4.0
Offsite Total	7.3	0.0	7.3
Total	8.0	0.0	8.0

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

SBCRP - Underground Options Emissions
Vault Installation Emissions

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emission s (lb/day) ^b
Onsite							
1-Ton Crew Cab, 4x4	2	Unpaved	3	0.495	0.049	2.97	0.30
Water Truck	1	Unpaved	10	0.858	0.086	8.58	0.86
Concrete Mixer Truck	3	Unpaved	3	0.922	0.092	8.30	0.83
Dump Truck	3	Unpaved	3	0.858	0.086	7.72	0.77
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Worker Commute	20	Unpaved	3	0.416	0.042	24.95	2.49
Onsite Total						55.09	5.51
Offsite							
1-Ton Crew Cab, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Water Truck	1	Paved	25	0.001	0.000	0.02	0.00
Concrete Mixer Truck	3	Paved	25	0.001	0.000	0.06	0.00
Dump Truck	3	Paved	25	0.001	0.000	0.07	0.00
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.19	0.00
Total						56.28	5.51

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor ^a	PM2.5 Emission Factor ^a	PM10 (lb/day) ^b	PM2.5 (lb/day) ^b
Soil Handling	CY/day	98	2.75E-03	5.72E-04	0.27	0.06
Bulldozing, Scraping and Grading	hr/day	4	1.756	0.365	7.02	1.46
Storage Pile Wind Erosion	acres	0	6.6	1.37	0.00	0.00
Total					7.29	1.52

^a From Table 31

^b Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

**SBCRP - Underground Options Emissions
Vault Installation Emissions**

Option D: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	9.57	32.02	77.06	0.12	2.87	2.64	154.0
Onsite Motor Vehicle Exhaust	0.11	0.74	0.69	0.00	0.04	0.03	2.4
Onsite Motor Vehicle Fugitive PM	--	--	--	--	55.09	5.51	
Earthwork Fugitive PM	--	--	--	--	7.32	1.52	
Onsite Total	9.68	32.77	77.76	0.12	65.32	9.70	156.4
Offsite Motor Vehicle Exhaust	1.17	9.07	5.31	0.02	0.32	0.25	25.7
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.19	0.00	
Offsite Total	1.17	9.07	5.31	0.02	1.51	0.25	25.7
Total	10.85	41.83	83.07	0.14	66.83	9.95	182.1

Assumption: Vault installation for Option D would have a duration of 28 days.

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Excavator	250	1	28	10
Crane (L)	500	1	28	10
Flat Bed Truck/Trailer	400	3	28	10
Backhoe/Front Loader	125	1	28	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Excavator	250	0.098	0.282	0.909	0.001	0.032	0.029	112.159	0.009
Crane (L)	500	0.147	0.495	1.298	0.002	0.047	0.043	180.101	0.013
Flat Bed Truck/Trailer	400	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Backhoe/Front Loader	125	0.092	0.586	0.716	0.001	0.038	0.035	101.387	0.008

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction=

0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Excavator	0.98	2.82	9.09	0.01	0.32	0.29
Crane (L)	1.47	4.95	12.98	0.02	0.47	0.43
Flat Bed Truck/Trailer	6.20	18.40	47.84	0.08	1.70	1.57
Backhoe/Front Loader	0.92	5.86	7.16	0.01	0.38	0.35
Total	9.57	32.02	77.06	0.12	2.87	2.64

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Excavator	14.2	0.0	14.3
Crane (L)	22.9	0.0	22.9
Flat Bed Truck/Trailer	103.8	0.0	103.9
Backhoe/Front Loader	12.9	0.0	12.9
Total	153.8	0.0	154.0

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
1-Ton Crew Cab, 4x4	2	28	N/A	3
Water Truck	1	28	N/A	10
Concrete Mixer Truck	3	28	N/A	3
Dump Truck	3	28	N/A	3
Lowboy Truck/Trailer	1	28	N/A	3
Worker Commute	20	28	N/A	3
Offsite				
1-Ton Crew Cab, 4x4	2	28	N/A	50
Water Truck	1	28	N/A	25
Concrete Mixer Truck	3	28	N/A	25
Dump Truck	3	28	N/A	25
Lowboy Truck/Trailer	1	28	N/A	25
Worker Commute	20	28	N/A	50

SBCRP - Underground Options Emissions
Vault Installation Emissions

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
1-Ton Crew Cab, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
1-Ton Crew Cab, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
1-Ton Crew Cab, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Water Truck	0.02	0.13	0.14	0.00	0.01	0.00
Concrete Mixer Truck	0.02	0.08	0.22	0.00	0.01	0.01
Dump Truck	0.02	0.08	0.22	0.00	0.01	0.01
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.11	0.74	0.69	0.00	0.04	0.03
Offsite						
1-Ton Crew Cab, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Water Truck	0.05	0.32	0.36	0.00	0.01	0.01
Concrete Mixer Truck	0.15	0.63	1.81	0.00	0.09	0.08
Dump Truck	0.15	0.63	1.81	0.00	0.09	0.08
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	1.17	9.07	5.31	0.02	0.32	0.25
Total	1.28	9.81	6.00	0.02	0.36	0.28

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
1-Ton Crew Cab, 4x4	0.1	0.0	0.1
Water Truck	0.4	0.0	0.4
Concrete Mixer Truck	0.5	0.0	0.5
Dump Truck	0.5	0.0	0.5
Lowboy Truck/Trailer	0.2	0.0	0.2
Worker Commute	0.8	0.0	0.8
Onsite Total	2.4	0.0	2.4
Offsite			
1-Ton Crew Cab, 4x4	1.4	0.0	1.4
Water Truck	0.9	0.0	0.9
Concrete Mixer Truck	4.0	0.0	4.0
Dump Truck	4.0	0.0	4.0
Lowboy Truck/Trailer	1.3	0.0	1.3
Worker Commute	14.0	0.0	14.0
Offsite Total	25.7	0.0	25.7
Total	28.1	0.0	28.1

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

SBCRP - Underground Options Emissions
Vault Installation Emissions

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emission s (lb/day) ^b
Onsite							
1-Ton Crew Cab, 4x4	2	Unpaved	3	0.495	0.049	2.97	0.30
Water Truck	1	Unpaved	10	0.858	0.086	8.58	0.86
Concrete Mixer Truck	3	Unpaved	3	0.922	0.092	8.30	0.83
Dump Truck	3	Unpaved	3	0.858	0.086	7.72	0.77
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Worker Commute	20	Unpaved	3	0.416	0.042	24.95	2.49
Onsite Total						55.09	5.51
Offsite							
1-Ton Crew Cab, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Water Truck	1	Paved	25	0.001	0.000	0.02	0.00
Concrete Mixer Truck	3	Paved	25	0.001	0.000	0.06	0.00
Dump Truck	3	Paved	25	0.001	0.000	0.07	0.00
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.19	0.00
Total						56.28	5.51

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor ^a	PM2.5 Emission Factor ^a	PM10 (lb/day) ^b	PM2.5 (lb/day) ^b
Soil Handling	CY/day	108	2.75E-03	5.72E-04	0.30	0.06
Bulldozing, Scraping and Grading	hr/day	4	1.756	0.365	7.02	1.46
Storage Pile Wind Erosion	acres	0	6.6	1.37	0.00	0.00
Total					7.32	1.52

^a From Table 31

^b Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

**SBCRP - Underground
Options Emissions
Excavation Emissions
Estimation**

Undergrounding Alternatives	Trenching Dimensions			Excavation Volume Estimation			
	Length (ft)	Width (ft)	Depth (ft)	Volume (cf)	Volume (cy)	Duration (days)	CY/day
Option C	4687	1.5	3	21091.5	781	8	98
Option D	18169	1.5	3	81760.5	3028	28	108

Cubic foot to cubic yard factor 0.037037

Assumptions:

Option C would involve installation of 2 vaults along a 0.89-mile length and a total duration of 8 days

Option D would involve installation of 6 vaults along a 3.4-length and a total duration of 24 days.

Option C: Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor ^a	PM2.5 Emission Factor ^a	PM10 (lb/day) ^b	PM2.5 (lb/day) ^b
Soil Handling ^c	CY/day	98	2.75E-03	5.72E-04	0.27	0.06
Bulldozing, Scraping and Grading	hr/day	4	1.756	0.365	7.02	1.46
Storage Pile Wind Erosion	acres		6.6	1.37	0.00	0.00
Total					7.29	1.52

^a From Table 31

^b Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

^c Peak daily estimated of 98 CY per day

Option D: Earthwork Fugitive Particulate Matter Emissions

Activity	Activity Units	Activity Level	PM10 Emission Factor ^a	PM2.5 Emission Factor ^a	PM10 (lb/day) ^b	PM2.5 (lb/day) ^b
Soil Handling ^c	CY/day	108	2.75E-03	5.72E-04	0.30	0.06
Bulldozing, Scraping and Grading	hr/day	4	1.756	0.365	7.02	1.46
Storage Pile Wind Erosion	acres		6.6	1.37	0.00	0.00
Total					7.32	1.52

^a From Table 31

^b Emissions [lb/day] = Emission factor [lb/activity unit] x Activity unit [units/day]

^c Peak daily estimated of 108 CY per day

**SBCRP - Underground Options Emissions
Duct Bank Installation**

Option C: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.68	9.07	11.84	0.02	0.80	0.73	1.3
Onsite Motor Vehicle Exhaust	0.12	0.79	0.84	0.00	0.04	0.04	0.2
Onsite Motor Vehicle Fugitive PM	--	--	--	--	60.24	6.02	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	1.80	9.87	12.68	0.02	61.08	6.79	1.5
Offsite Motor Vehicle Exhaust	1.27	9.49	6.52	0.02	0.38	0.30	2.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.24	0.00	
Offsite Total	1.27	9.49	6.52	0.02	1.62	0.30	2.0
Total	3.08	19.35	19.20	0.04	62.69	7.09	3.6

Assumption: Duct Bank Installation for Option C would have a total duration of 2 days.

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Backhoe/Front Loader	125	1	2	10
Compressor Trailer	60	1	2	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Backhoe/Front Loader	125	0.092	0.586	0.716	0.001	0.038	0.035	101.387	0.008
Compressor Trailer	60	0.076	0.322	0.468	0.001	0.042	0.038	46.950	0.007

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction = 0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Backhoe/Front Loader	0.92	5.86	7.16	0.01	0.38	0.35
Compressor Trailer	0.76	3.22	4.68	0.01	0.42	0.38
Total	1.68	9.07	11.84	0.02	0.80	0.73

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Backhoe/Front Loader	0.9	0.0	0.9
Compressor Trailer	0.4	0.0	0.4
Total	1.3	0.0	1.3

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x

days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 27

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
Lowboy Truck/Trailer	1	2	N/A	3
1-Ton Truck, 4x4	2	2	N/A	3
Water Truck	1	2	N/A	10
Pipe Truck/Trailer	1	2	N/A	3
Concrete Mixer Truck	3	2	N/A	3
Dump Truck	3	2	N/A	3
Lowboy Truck/Trailer	1	2	N/A	3
Worker Commute	20	2	N/A	3
Offsite				
Lowboy Truck/Trailer	1	2	N/A	25
1-Ton Truck, 4x4	2	2	N/A	50
Water Truck	1	2	N/A	25
Pipe Truck/Trailer	1	2	N/A	25
Concrete Mixer Truck	3	2	N/A	25
Dump Truck	3	2	N/A	25
Lowboy Truck/Trailer	1	2	N/A	25
Worker Commute	20	2	N/A	50

SBCRP - Underground Options Emissions
Duct Bank Installation

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Pipe Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Pipe Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
1-Ton Truck, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Water Truck	0.02	0.13	0.14	0.00	0.01	0.00
Pipe Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Concrete Mixer Truck	0.02	0.08	0.22	0.00	0.01	0.01
Dump Truck	0.02	0.08	0.22	0.00	0.01	0.01
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.12	0.79	0.84	0.00	0.04	0.04
Offsite						
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
1-Ton Truck, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Water Truck	0.05	0.32	0.36	0.00	0.01	0.01
Pipe Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Concrete Mixer Truck	0.15	0.63	1.81	0.00	0.09	0.08
Dump Truck	0.15	0.63	1.81	0.00	0.09	0.08
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	1.27	9.49	6.52	0.02	0.38	0.30
Total	1.39	10.28	7.36	0.02	0.42	0.34

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
Lowboy Truck/Trailer	0.0	0.0	0.0
1-Ton Truck, 4x4	0.0	0.0	0.0
Water Truck	0.0	0.0	0.0
Pipe Truck/Trailer	0.0	0.0	0.0
Concrete Mixer Truck	0.0	0.0	0.0
Dump Truck	0.0	0.0	0.0
Lowboy Truck/Trailer	0.0	0.0	0.0
Worker Commute	0.1	0.0	0.1
Onsite Total	0.2	0.0	0.2
Offsite			
Lowboy Truck/Trailer	0.1	0.0	0.1
1-Ton Truck, 4x4	0.1	0.0	0.1
Water Truck	0.1	0.0	0.1
Pipe Truck/Trailer	0.1	0.0	0.1
Concrete Mixer Truck	0.3	0.0	0.3
Dump Truck	0.3	0.0	0.3
Lowboy Truck/Trailer	0.1	0.0	0.1
Worker Commute	1.0	0.0	1.0
Offsite Total	2.0	0.0	2.0
Total	2.2	0.0	2.2

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 28 and Table 29

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

**SBCRP - Underground Options Emissions
Duct Bank Installation**

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emission s (lb/day) ^b
Onsite							
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
1-Ton Truck, 4x4	2	Unpaved	3	0.495	0.049	2.97	0.30
Water Truck	1	Unpaved	10	0.858	0.086	8.58	0.86
Pipe Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Concrete Mixer Truck	3	Unpaved	3	0.922	0.092	8.30	0.83
Dump Truck	3	Unpaved	3	0.858	0.086	7.72	0.77
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Worker Commute	20	Unpaved	3	0.416	0.042	24.95	2.49
Onsite Total						60.24	6.02
Offsite							
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
1-Ton Truck, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Water Truck	1	Paved	25	0.001	0.000	0.02	0.00
Pipe Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Concrete Mixer Truck	3	Paved	25	0.001	0.000	0.06	0.00
Dump Truck	3	Paved	25	0.001	0.000	0.07	0.00
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.24	0.00
Total						61.47	6.02

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

**SBCRP - Underground Options Emissions
Duct Bank Installation**

Option D: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	1.68	9.07	11.84	0.02	0.80	0.73	28.5
Onsite Motor Vehicle Exhaust	0.12	0.79	0.84	0.00	0.04	0.04	4.2
Onsite Motor Vehicle Fugitive PM	--	--	--	--	60.24	6.02	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	1.80	9.87	12.68	0.02	61.08	6.79	32.7
Offsite Motor Vehicle Exhaust	1.27	9.49	6.52	0.02	0.38	0.30	43.5
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.24	0.00	
Offsite Total	1.27	9.49	6.52	0.02	1.62	0.30	43.5
Total	3.08	19.35	19.20	0.04	62.69	7.09	76.3

Assumption: Duct Bank Installation for Option D would have a total duration of 43 days.

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Backhoe/Front Loader	125	1	42	10
Compressor Trailer	60	1	43	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Backhoe/Front Loader	125	0.092	0.586	0.716	0.001	0.038	0.035	101.387	0.008
Compressor Trailer	60	0.076	0.322	0.468	0.001	0.042	0.038	46.950	0.007

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction = 0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Backhoe/Front Loader	0.92	5.86	7.16	0.01	0.38	0.35
Compressor Trailer	0.76	3.22	4.68	0.01	0.42	0.38
Total	1.68	9.07	11.84	0.02	0.80	0.73

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Backhoe/Front Loader	19.3	0.0	19.3
Compressor Trailer	9.2	0.0	9.2
Total	28.5	0.0	28.5

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x

days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 27

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
Lowboy Truck/Trailer	1	43	N/A	3
1-Ton Truck, 4x4	2	43	N/A	3
Water Truck	1	43	N/A	10
Pipe Truck/Trailer	1	43	N/A	3
Concrete Mixer Truck	3	43	N/A	3
Dump Truck	3	43	N/A	3
Lowboy Truck/Trailer	1	43	N/A	3
Worker Commute	20	43	N/A	3
Offsite				
Lowboy Truck/Trailer	1	43	N/A	25
1-Ton Truck, 4x4	2	43	N/A	50
Water Truck	1	43	N/A	25
Pipe Truck/Trailer	1	43	N/A	25
Concrete Mixer Truck	3	43	N/A	25
Dump Truck	3	43	N/A	25
Lowboy Truck/Trailer	1	43	N/A	25
Worker Commute	20	43	N/A	50

SBCRP - Underground Options Emissions
Duct Bank Installation

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Pipe Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Water Truck	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Pipe Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Concrete Mixer Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Dump Truck	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
1-Ton Truck, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Water Truck	0.02	0.13	0.14	0.00	0.01	0.00
Pipe Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Concrete Mixer Truck	0.02	0.08	0.22	0.00	0.01	0.01
Dump Truck	0.02	0.08	0.22	0.00	0.01	0.01
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.12	0.79	0.84	0.00	0.04	0.04
Offsite						
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
1-Ton Truck, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Water Truck	0.05	0.32	0.36	0.00	0.01	0.01
Pipe Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Concrete Mixer Truck	0.15	0.63	1.81	0.00	0.09	0.08
Dump Truck	0.15	0.63	1.81	0.00	0.09	0.08
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	1.27	9.49	6.52	0.02	0.38	0.30
Total	1.39	10.28	7.36	0.02	0.42	0.34

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
Lowboy Truck/Trailer	0.2	0.0	0.2
1-Ton Truck, 4x4	0.1	0.0	0.1
Water Truck	0.5	0.0	0.5
Pipe Truck/Trailer	0.2	0.0	0.2
Concrete Mixer Truck	0.7	0.0	0.7
Dump Truck	0.7	0.0	0.7
Lowboy Truck/Trailer	0.2	0.0	0.2
Worker Commute	1.3	0.0	1.3
Onsite Total	4.2	0.0	4.2
Offsite			
Lowboy Truck/Trailer	2.1	0.0	2.1
1-Ton Truck, 4x4	2.2	0.0	2.2
Water Truck	1.4	0.0	1.4
Pipe Truck/Trailer	2.1	0.0	2.1
Concrete Mixer Truck	6.2	0.0	6.2
Dump Truck	6.2	0.0	6.2
Lowboy Truck/Trailer	2.1	0.0	2.1
Worker Commute	21.5	0.0	21.5
Offsite Total	43.5	0.0	43.5
Total	47.7	0.0	47.7

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 28 and Table 29

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

**SBCRP - Underground Options Emissions
Duct Bank Installation**

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emission s (lb/day) ^b
Onsite							
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
1-Ton Truck, 4x4	2	Unpaved	3	0.495	0.049	2.97	0.30
Water Truck	1	Unpaved	10	0.858	0.086	8.58	0.86
Pipe Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Concrete Mixer Truck	3	Unpaved	3	0.922	0.092	8.30	0.83
Dump Truck	3	Unpaved	3	0.858	0.086	7.72	0.77
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
Worker Commute	20	Unpaved	3	0.416	0.042	24.95	2.49
Onsite Total						60.24	6.02
Offsite							
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
1-Ton Truck, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Water Truck	1	Paved	25	0.001	0.000	0.02	0.00
Pipe Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Concrete Mixer Truck	3	Paved	25	0.001	0.000	0.06	0.00
Dump Truck	3	Paved	25	0.001	0.000	0.07	0.00
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.24	0.00
Total						61.47	6.02

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

SBCRP - Underground Options Emissions
Install Underground Cable

Option C: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	10.71	32.30	85.85	0.14	3.06	2.81	50.2
Onsite Motor Vehicle Exhaust	0.05	0.44	0.04	0.00	0.01	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.06	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	10.76	32.74	85.89	0.14	3.12	2.81	50.2
Offsite Motor Vehicle Exhaust	0.77	7.26	0.72	0.01	0.10	0.07	4.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.01	0.00	
Offsite Total	0.77	7.26	0.72	0.01	1.12	0.07	4.4
Total	11.53	40.00	86.61	0.15	4.24	2.88	54.6

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Boom/Crane Truck	350	1	8	10
Wire Truck	350	2	8	10
Manlift/Bucket Truck	250	1	8	10
Puller	350	1	8	10
Static Truck/Tensioner	350	1	8	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Boom/Crane Truck	350	0.147	0.495	1.298	0.002	0.047	0.043	180.101	0.013
Wire Truck	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Manlift/Bucket Truck	250	0.098	0.282	0.909	0.001	0.032	0.029	112.159	0.009
Puller	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Static Truck/Tensioner	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Boom/Crane Truck	1.47	4.95	12.98	0.02	0.47	0.43
Wire Truck	4.13	12.27	31.89	0.05	1.13	1.04
Manlift/Bucket Truck	0.98	2.82	9.09	0.01	0.32	0.29
Puller	2.07	6.13	15.95	0.03	0.57	0.52
Static Truck/Tensioner	2.07	6.13	15.95	0.03	0.57	0.52
Total	10.71	32.30	85.85	0.14	3.06	2.81

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Boom/Crane Truck	6.5	0.0	6.5
Wire Truck	19.8	0.0	19.8
Manlift/Bucket Truck	4.1	0.0	4.1
Puller	9.9	0.0	9.9
Static Truck/Tensioner	9.9	0.0	9.9
Total	50.1	0.0	50.2

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x

days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 27

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
1-Ton Truck, 4x4	2	8	N/A	3
Worker Commute	20	8	N/A	3
Offsite				
1-Ton Truck, 4x4	2	8	N/A	50
Worker Commute	20	8	N/A	50

SBCRP - Underground Options Emissions
 Install Underground Cable

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

SBCRP - Underground Options Emissions
Install Underground Cable

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
1-Ton Truck, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.05	0.44	0.04	0.00	0.01	0.00
Offsite						
1-Ton Truck, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	0.77	7.26	0.72	0.01	0.10	0.07
Total	0.82	7.70	0.76	0.01	0.11	0.07

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
1-Ton Truck, 4x4	0.0	0.0	0.0
Worker Commute	0.0	0.0	0.0
Onsite Total	0.0	0.0	0.0
Offsite			
1-Ton Truck, 4x4	0.4	0.0	0.4
Worker Commute	4.0	0.0	4.0
Offsite Total	4.4	0.0	4.4
Total	4.4	0.0	4.4

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 28 and Table 29

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emissions (lb/day) ^b
Onsite							
1-Ton Truck, 4x4	2	Paved	3	0.001	0.000	0.01	0.00
Worker Commute	20	Paved	3	0.001	0.000	0.06	0.00
Onsite Total						0.06	0.00
Offsite							
1-Ton Truck, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.01	0.00
Total						1.08	0.00

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

**SBCRP - Underground Options Emissions
Install Underground Cable**

Option D: Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	10.71	32.30	85.85	0.14	3.06	2.81	50.2
Onsite Motor Vehicle Exhaust	0.05	0.44	0.04	0.00	0.01	0.00	0.0
Onsite Motor Vehicle Fugitive PM	--	--	--	--	0.06	0.00	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	10.76	32.74	85.89	0.14	3.12	2.81	50.2
Offsite Motor Vehicle Exhaust	0.77	7.26	0.72	0.01	0.10	0.07	4.4
Offsite Motor Vehicle Fugitive PM	--	--	--	--	1.01	0.00	
Offsite Total	0.77	7.26	0.72	0.01	1.12	0.07	4.4
Total	11.53	40.00	86.61	0.15	4.24	2.88	54.6

Assumption: Installing Underground Cable for Option D would have a total duration of 8 day

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Boom/Crane Truck	350	1	8	10
Wire Truck	350	2	8	10
Manlift/Bucket Truck	250	1	8	10
Puller	350	1	8	10
Static Truck/Tensioner	350	1	8	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Boom/Crane Truck	350	0.147	0.495	1.298	0.002	0.047	0.043	180.101	0.013
Wire Truck	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Manlift/Bucket Truck	250	0.098	0.282	0.909	0.001	0.032	0.029	112.159	0.009
Puller	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019
Static Truck/Tensioner	350	0.207	0.613	1.595	0.003	0.057	0.052	272.334	0.019

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction= 0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Boom/Crane Truck	1.47	4.95	12.98	0.02	0.47	0.43
Wire Truck	4.13	12.27	31.89	0.05	1.13	1.04
Manlift/Bucket Truck	0.98	2.82	9.09	0.01	0.32	0.29
Puller	2.07	6.13	15.95	0.03	0.57	0.52
Static Truck/Tensioner	2.07	6.13	15.95	0.03	0.57	0.52
Total	10.71	32.30	85.85	0.14	3.06	2.81

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Boom/Crane Truck	6.5	0.0	6.5
Wire Truck	19.8	0.0	19.8
Manlift/Bucket Truck	4.1	0.0	4.1
Puller	9.9	0.0	9.9
Static Truck/Tensioner	9.9	0.0	9.9
Total	50.1	0.0	50.2

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x

days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 27

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action

Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number	Days Used	Hours Used/Day	Miles/Day/Veh.
Onsite				
1-Ton Truck, 4x4	2	8	N/A	3
Worker Commute	20	8	N/A	3
Offsite				
1-Ton Truck, 4x4	2	8	N/A	50
Worker Commute	20	8	N/A	50

SBCRP - Underground Options Emissions
 Install Underground Cable

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
1-Ton Truck, 4x4	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

SBCRP - Underground Options Emissions
Install Underground Cable

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
1-Ton Truck, 4x4	0.00	0.04	0.00	0.00	0.00	0.00
Worker Commute	0.04	0.40	0.04	0.00	0.01	0.00
Onsite Total	0.05	0.44	0.04	0.00	0.01	0.00
Offsite						
1-Ton Truck, 4x4	0.07	0.66	0.07	0.00	0.01	0.01
Worker Commute	0.70	6.60	0.65	0.01	0.09	0.06
Offsite Total	0.77	7.26	0.72	0.01	0.10	0.07
Total	0.82	7.70	0.76	0.01	0.11	0.07

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
1-Ton Truck, 4x4	0.0	0.0	0.0
Worker Commute	0.0	0.0	0.0
Onsite Total	0.0	0.0	0.0
Offsite			
1-Ton Truck, 4x4	0.4	0.0	0.4
Worker Commute	4.0	0.0	4.0
Offsite Total	4.4	0.0	4.4
Total	4.4	0.0	4.4

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 28 and Table 29

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emissions (lb/day) ^b
Onsite							
1-Ton Truck, 4x4	2	Paved	3	0.001	0.000	0.01	0.00
Worker Commute	20	Paved	3	0.001	0.000	0.06	0.00
Onsite Total						0.06	0.00
Offsite							
1-Ton Truck, 4x4	2	Paved	50	0.001	0.000	0.09	0.00
Worker Commute	20	Paved	50	0.001	0.000	0.92	0.00
Offsite Total						1.01	0.00
Total						1.08	0.00

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

**SBCRP - Underground Options Emissions
Distribution Relocation - Cable and Civil**

Emissions Summary

Source	VOC (lb/day)	CO (lb/day)	NOX (lb/day)	SOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)	CO2e (MT)
Construction Equipment Exhaust	6.29	27.87	53.03	0.08	2.49	2.29	37.6
Onsite Motor Vehicle Exhaust	0.04	0.34	0.14	0.00	0.01	0.01	0.4
Onsite Motor Vehicle Fugitive PM	--	--	--	--	21.52	2.15	
Earthwork Fugitive PM	--	--	--	--	0.00	0.00	
Onsite Total	6.33	28.21	53.18	0.08	24.02	4.45	38.0
Offsite Motor Vehicle Exhaust	0.59	5.16	1.42	0.01	0.11	0.08	0.0
Offsite Motor Vehicle Fugitive PM	--	--	--	--	0.69	0.00	
Offsite Total	0.59	5.16	1.42	0.01	0.80	0.08	0.0
Total	6.92	33.36	54.60	0.09	24.82	4.53	38.0

Assumption: Distribution line relocation would be the same for Options C and D, with a total duration of 12 days.

Construction Equipment Summary

Equipment	Horse-power	Number	Days Used	Hours Used/Day
Reel Truck	300	2	12	10
Manlift/Bucket Truck	300	1	12	10
Rodder Truck	400	1	12	10
Backhoe Front Loader	125	1	12	10
Arrowboard Trailer	5	1	12	10

Construction Equipment Exhaust Emission Factors

Equipment	Horse-power	VOC (lb/hr) ^a	CO (lb/hr) ^a	NOX (lb/hr) ^a	SOX (lb/hr) ^a	PM10 (lb/hr) ^a	PM2.5 (lb/hr) ^b	CO2 (lb/hr) ^a	CH4 (lb/hr) ^a
Reel Truck	300	0.136	0.599	1.080	0.001	0.054	0.050	132.743	0.012
Manlift/Bucket Truck	300	0.111	0.444	1.384	0.002	0.041	0.037	212.856	0.010
Rodder Truck	400	0.136	0.599	1.080	0.001	0.054	0.050	132.743	0.012
Backhoe Front Loader	125	0.103	0.509	0.635	0.001	0.045	0.041	78.543	0.009
Arrowboard Trailer	5	0.007	0.038	0.045	0.000	0.002	0.002	6.170	0.001

^a From Table 27

^b Diesel PM2.5 emission factor [lb/hr] = PM10 emission factor [lb/hr] x PM2.5 fraction of PM10

PM2.5 Fraction=

0.920

From Appendix A, Final-Methodology to Calculate Particulate Matter (PM) 2.5

and PM 2.5 Significance Thresholds, SCAQMD, October 2006,

http://www.aqmd.gov/ceqa/handbook/PM2_5/PM2_5.html

^c All except SOx, PM2.5 and CO2 from Guidance on the Determination of Helicopter Emissions, Federal Department of the Environment, Transport, Energy and Communications, DETEC, Federal Office Civil Aviation FOCA, Division Aviation Policy and Strategy, Swiss Confederation, March 2009. Downloaded from <http://www.bazl.admin.ch/fachleute/01169/01174/01628/index.html?lang=en>

PM2.5 emissions assumed equal to PM10

SOx emissions [lb/hr] = Fuel use [kg/hr] x 1000 [g/kg] / 453.6 [g/lb] x Fuel sulfur [wt. %] / 100 x 2 [lb SO2/lbS]

Fuel use = 98.8 kg/hr from Guidance on the Determination of Helicopter Emissions

Fuel sulfur = 0.3% from ASTM D-1655 for Jet-A

CO2 emissions [lb/hr] = CO2 emission factor [kg/gal] x 1000 [g/kg] / 453.6 [g/lb] x Fuel use [kg/hr] x 1000 [g/kg] / 453.6 [g/lb] / Fuel density [lb/gal]

CO2 emission factor = 9.57 kg/gal from Table C.3 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008.

Downloaded from http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Fuel use = 98.8 kg/hr from Guidance on the Determination of Helicopter Emissions

Jet-A density = 6.8 lb/gal

Construction Equipment Daily Criteria Pollutant Exhaust Emissions

Equipment	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Reel Truck	2.72	11.97	21.59	0.03	1.08	0.99
Manlift/Bucket Truck	1.11	4.44	13.84	0.02	0.41	0.37
Rodder Truck	1.36	5.99	10.80	0.01	0.54	0.50
Backhoe Front Loader	1.03	5.09	6.35	0.01	0.45	0.41
Arrowboard Trailer	0.07	0.38	0.45	0.00	0.02	0.02
Total	6.29	27.87	53.03	0.08	2.49	2.29

^a Emissions [lb/day] = number x hours/day x emission factor [lb/hr]

**SBCRP - Underground Options Emissions
Distribution Relocation - Cable and Civil**

Construction Equipment Total Greenhouse Gas Emissions

Equipment	CO ₂ (MT) ^a	CH ₄ (MT) ^a	CO ₂ e (MT) ^b
Reel Truck	14.5	0.0	14.5
Manlift/ Bucket Truck	11.6	0.0	11.6
Rodder Truck	7.2	0.0	7.2
Backhoe Front Loader	4.3	0.0	4.3
Arrowboard Trailer	0.0	0.0	0.0
Total	37.5	0.0	37.6

^a Emissions [metric tons, MT] = emission factor [lb/hr] x hours/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]
Emission factors are in Table 27

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

Motor Vehicle Usage

Vehicle	Number ^a	Days Used	Hours Used/ Day	Miles/ Day/ Veh.
Onsite				
Lowboy Truck/Trailer	1	12	N/A	3
1-Ton Truck, 4x4	1	12	N/A	3
Worker Commute	14	12	N/A	3
Offsite				
Lowboy Truck/Trailer	1	12	N/A	25
1-Ton Truck, 4x4	1	12	N/A	25
Worker Commute	14	12	N/A	50

SBCRP - Underground Options Emissions
Distribution Relocation - Cable and Civil

Motor Vehicle Exhaust Emission Factors

Vehicle	Category	VOC (lb/mi) ^a	CO (lb/mi) ^a	NOX (lb/mi) ^a	SOX (lb/mi) ^a	PM10 (lb/mi) ^a	PM2.5 (lb/mi) ^b	CO2 (lb/mi) ^a	CH4 (lb/mi) ^a
Onsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05
Offsite									
Lowboy Truck/Trailer	HHDT	2.02E-03	8.46E-03	2.42E-02	4.09E-05	1.18E-03	1.01E-03	4.21E+00	9.26E-05
1-Ton Truck, 4x4	Delivery	1.90E-03	1.28E-02	1.43E-02	2.75E-05	5.49E-04	4.55E-04	2.80E+00	8.80E-05
Worker Commute	Passenger	7.02E-04	6.60E-03	6.55E-04	1.07E-05	9.18E-05	5.94E-05	1.10E+00	6.31E-05

a From Table 28 or Table 29

Motor Vehicle Daily Criteria Pollutant Exhaust Emissions

Vehicle	VOC (lb/day) ^a	CO (lb/day) ^a	NOX (lb/day) ^a	SOX (lb/day) ^a	PM10 (lb/day) ^a	PM2.5 (lb/day) ^a
Onsite						
Lowboy Truck/Trailer	0.01	0.03	0.07	0.00	0.00	0.00
1-Ton Truck, 4x4	0.01	0.04	0.04	0.00	0.00	0.00
Worker Commute	0.03	0.28	0.03	0.00	0.00	0.00
Onsite Total	0.04	0.34	0.14	0.00	0.01	0.01
Offsite						
Lowboy Truck/Trailer	0.05	0.21	0.60	0.00	0.03	0.03
1-Ton Truck, 4x4	0.05	0.32	0.36	0.00	0.01	0.01
Worker Commute	0.49	4.62	0.46	0.01	0.06	0.04
Offsite Total	0.59	5.16	1.42	0.01	0.11	0.08
Total	0.63	5.50	1.56	0.01	0.12	0.08

^a Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

Motor Vehicle Total Greenhouse Gas Emissions

Vehicle	CO2 (MT) ^a	CH4 (MT) ^a	CO2e (MT) ^b
Onsite			
Lowboy Truck/Trailer	0.1	0.0	0.1
1-Ton Truck, 4x4	0.0	0.0	0.0
Worker Commute	0.3	0.0	0.3
Onsite Total	0.4	0.0	0.4
Offsite			
Lowboy Truck/Trailer	0.6	0.0	0.0
1-Ton Truck, 4x4	0.4	0.0	0.0
Worker Commute	4.2	0.0	0.0
Offsite Total	5.2	0.0	0.0
Total	5.5	0.0	0.4

^a Emissions [metric tons, MT] = emission factor [lb/hr] x miles/day x Number x days used x 453.6 [g/lb] / 1,000,000 [g/MT]

Emission factors are in Table 28 and Table 29

^b CO₂-equivalent (CO₂e) emission factors are CO₂ emissions plus 21 x CH₄ emissions, based on Table C.1 from California Climate Action Registry General Reporting Protocol, Version 3.0, April 2008, http://www.climateregistry.org/resources/docs/protocols/grp/GRP_V3_April2008_FINAL.pdf

SBCRP - Underground Options Emissions
 Distribution Relocation - Cable and Civil

Motor Vehicle Fugitive Particulate Matter Emissions

Vehicle	Number	Road Type	Miles/ Day/ Vehicle	PM10 Emission Factor (lb/mi) ^a	PM2.5 Emission Factor (lb/mi) ^a	PM10 Emissions (lb/day) ^b	PM2.5 Emissions (lb/day) ^b
Onsite							
Lowboy Truck/Trailer	1	Unpaved	3	0.858	0.086	2.57	0.26
1-Ton Truck, 4x4	1	Unpaved	3	0.495	0.049	1.48	0.15
Worker Commute	14	Unpaved	3	0.416	0.042	17.46	1.75
Onsite Total						21.52	2.15
Offsite							
Lowboy Truck/Trailer	1	Paved	25	0.001	0.000	0.02	0.00
1-Ton Truck, 4x4	1	Paved	25	0.001	0.000	0.02	0.00
Worker Commute	14	Paved	50	0.001	0.000	0.65	0.00
Offsite Total						0.69	0.00
Total						22.21	2.15

^a From Table 30

^b Emissions [lb/day] = number x miles/day x emission factor [lb/mi]

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C3 – Air Quality Emissions Summary Segment 1 and 2 (SCE)

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Annual

Year	Source	Annual Emissions (tons/yr)				
		ROG	NOx	PM10	PM2.5	CO2e
1999	Land equipment	3.05	22.52	1.64	1.50	879
2000	Land equipment	1.93	16.47	0.84	0.76	1,024
	Helicopter	0.02	0.07	0.004	0.004	18
	TOTAL	1.95	16.54	0.84	0.76	1,042
Notes						
CO2e emissions reported in metric tons per year. All other pollutants reported in english tons per year.						

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Annual with Mitigation

Year	Source	Annual Emissions (tons/yr)				
		ROG	NO _x	PM10	PM2.5	CO2e
1999	Land equipment	3.05	22.52	1.58	1.49	879
2000	Land equipment	1.93	16.47	0.81	0.75	1,024
	Helicopter	0.02	0.07	0.004	0.004	18
	TOTAL	1.95	16.54	0.81	0.75	1,042
Notes						
CO2e emissions reported in metric tons per year. All other pollutants reported in english tons per year.						

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C4 – Air Quality Calculations Helicopters (SCE)

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HELICOPTER (HUGHES 500) EMISION CALCULATIONS

Type	Hughes 500	
Fuel Burn Rate	28 gal/hr	(NOAA 2013)
Fuel Type	Jet Fuel A	
High Heat Value	72.22 kg CO2/MMBtu	(ARB 2012)
CO2 emission factor	0.135 MMBtu/gal	(ARB 2012)

Activity	Emissions lbs/hr					
	HC	CO	NOx	SOx	PM	CO2
Flight	0.08	0.78	1.91	0.02	0.1	601
Idle	3.44	1.61	0.08	0	0.01	601

Activity	Working Hrs	Emissions lbs/day					
		HC	CO	NOx	SOx	PM	CO2
Flight	6	0.48	4.68	11.46	0.12	0.6	3603
Idle	0.6	2.064	0.966	0.048	0	0.006	360
TOTAL		2.544	5.646	11.508	0.12	0.606	3964

Construction Phase	Working Days	Emissions tons/yr					MT/yr
		HC	CO	NOx	SOx	PM	CO2
Install Conductor (1999)	12	0.015	0.034	0.069	0.00072	0.0036	18

Notes

Emission factors for Hughes 500 size helicopter obtained from Antelope Transmission Project - Segments 2 & 3 EIR (CPUC 2006). CO2 emission factor based on fuel burn rate along with high heat value and CO2 emission factor from ARB 2011 for Jet Fuel. Idle time assumed 10% of working time for small helicopters. Helicopter use will be used for 6 hours a day. For installation of conductor, it will be used for 12 days. Hours and days of use for helicopter operation based on construction estimates presented in Table 3.2-6b.

Sources

California Air Resources Board (ARB). Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)

California Public Utilities Commission (CPUC). Southern California Edison's Antelope Transmission Project, Segments 2 and 3 Final Environmental Impact Report. 2006. (<http://www.cpuc.ca.gov/Environment/info/aspen/atp2-3/atp2-3.htm>)

National Oceanic and Atmospheric Administrator (NOAA). Aircraft Operations Center MD500 Helicopter. http://www.aoc.noaa.gov/aircraft_md500.htm. Accessed July 31, 2013

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C5 – Air Quality Emissions Calculations Data Segment 1 and 2 (SCE)

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Segment 1 & 2 Construction Ventura County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	0.00	User Defined Unit	0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2000
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - power lines. no operational vehicle trips

Construction Phase - based on client info

Off-road Equipment - (1) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) auger truck 210 hp; (1) extendable flat bed pole truck 400 hp

Off-road Equipment - (4) 4x4 truck 300 hp; (4) manlift 250 hp; (2) crane truck 350 hp; (1) dump truck 350 hp; (2) water truck 300 hp; (2) wire truck 350 hp; (1) trailer 300 hp; (1) boom/crane 350 hp; (1) static truck 350 hp; (1) loader 125 hp; (2) loader truck 450 hp

Off-road Equipment - (1) 4x4 truck; (1) compressor; (1) forklift; (1) excavator; (2) water trucks; (1) dump truck; (3) concrete truck

Off-road Equipment - (1) boom/crane truck 350 hp; (1) backhoe/front loader 125 hp; (1) auger truck 210 hp; (1) water truck 300 hp; (1) dump truck 350 hp; (2) concrete mixer truck 350 hp

Off-road Equipment - (2) 4x4 truck; (1) trailer; (1) compressor; (1) forklift; (1) crane

Off-road Equipment - (1) compressor trailer 60 hp; (1) Backhoe/front loader; (1) dump truck 350 hp; (1) excavator 250 hp

Off-road Equipment - (1) compressor trailer 60 hp; (1) R/T crane 215 hp; (1) boom/crane truck 350 hp; (1) flat bed truck/trailer 400 hp

Off-road Equipment - 1 diesel 4x4 truck; 1 R/T forklift; 1 boom/crane truck; 1 water truck; 1 semi tractor truck

Off-road Equipment - (4) 4x4 trucks; (4) manlift/bucket truck 250 hp; (2) boom/crane truck 350 hp; (1) bull whell puller 350 hp; (1) sock line puller 300 hp; (2) water truck 300 hp; (1) static truck/compactor 250 hp; (2) loader truck/trailer

Off-road Equipment - (1) backhoe/front loader 125 hp; (1) grader 250 hp; (1) drum type compactor 100 hp; (1) lowboy truck/trailer 450 hp

Off-road Equipment - (2) 4x4 truck 300 hp; (1) brusher 100 hp; (1) chipper 50 hp; (1) loader 125 hp; (1) track type dozer 150 hp; (1) motor grader 250 hp; (2) water truck 300 hp; (1) compactor 100 hp; (1) excavator 250 hp; (1) loader truck

Off-road Equipment - No diesel equipment

Off-road Equipment - (1) 4x4 truck; (1) Compressor Trailer 60 hp; (1) boom/crane truck 350 hp

Off-road Equipment - (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Off-road Equipment - (2) 4x4 truck 300 hp; (1) compressor trailer 60 hp; (1) manlift/bucket truck 250 hp; (1) boom/crane truck 350 hp; (1) flat bed pole truck 400 hp

Trips and VMT - based on client info - vendor truck represents construction 4x4 truck. Assumes truck travels 10 miles per hour. Construction worker trips accounted for in material staging road phase

Demolition - 13 structures. Assumes each structure is 1000 sf

Grading - client info

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	106.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	49.00
tblConstructionPhase	NumDays	0.00	14.00
tblConstructionPhase	NumDays	0.00	27.00
tblConstructionPhase	NumDays	0.00	120.00
tblConstructionPhase	NumDays	0.00	1.00
tblConstructionPhase	NumDays	0.00	14.00
tblConstructionPhase	NumDays	0.00	500.00
tblConstructionPhase	NumDays	0.00	27.00
tblConstructionPhase	NumDays	0.00	53.00
tblConstructionPhase	NumDays	0.00	53.00
tblConstructionPhase	NumDays	0.00	25.00
tblConstructionPhase	NumDays	0.00	25.00
tblConstructionPhase	PhaseEndDate	2/27/2001	3/30/1999
tblConstructionPhase	PhaseEndDate	2/28/2000	12/15/1999
tblConstructionPhase	PhaseStartDate	12/21/2000	1/21/1999

tblConstructionPhase	PhaseStartDate	12/16/1999	10/2/1999
tblGrading	AcresOfGrading	18.38	66.00
tblGrading	AcresOfGrading	0.00	6.70
tblGrading	AcresOfGrading	0.00	17.50
tblGrading	AcresOfGrading	0.00	7.80
tblGrading	AcresOfGrading	0.00	2.00
tblGrading	AcresOfGrading	5.25	1.13
tblGrading	AcresOfGrading	0.00	60.00
tblGrading	AcresOfGrading	0.00	13.30
tblGrading	AcresOfGrading	0.00	26.50
tblGrading	AcresOfGrading	0.00	26.50
tblGrading	AcresOfGrading	0.00	1.50
tblGrading	AcresOfGrading	0.00	1.50
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	89.00	125.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
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tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	174.00	162.00
tblOffRoadEquipment	HorsePower	255.00	358.00
tblOffRoadEquipment	HorsePower	255.00	358.00
tblOffRoadEquipment	HorsePower	97.00	125.00
tblOffRoadEquipment	HorsePower	97.00	125.00
tblOffRoadEquipment	HorsePower	97.00	125.00

tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	226.00	350.00
tblOffRoadEquipment	HorsePower	162.00	250.00
tblOffRoadEquipment	HorsePower	162.00	250.00
tblOffRoadEquipment	HorsePower	162.00	70.00
tblOffRoadEquipment	HorsePower	89.00	125.00
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tblOffRoadEquipment	HorsePower	89.00	125.00
tblOffRoadEquipment	HorsePower	89.00	125.00
tblOffRoadEquipment	HorsePower	174.00	250.00
tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	400.00	250.00
tblOffRoadEquipment	HorsePower	400.00	350.00
tblOffRoadEquipment	HorsePower	400.00	450.00
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tblOffRoadEquipment	HorsePower	400.00	300.00
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tblOffRoadEquipment	HorsePower	400.00	350.00
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tblOffRoadEquipment	HorsePower	400.00	350.00
tblOffRoadEquipment	HorsePower	400.00	250.00
tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	400.00	300.00

tblOffRoadEquipment	HorsePower	400.00	450.00
tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	400.00	450.00
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tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	400.00	300.00
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tblOffRoadEquipment	HorsePower	400.00	300.00
tblOffRoadEquipment	HorsePower	171.00	350.00
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tblOffRoadEquipment	HorsePower	8.00	100.00
tblOffRoadEquipment	HorsePower	8.00	100.00
tblOffRoadEquipment	LoadFactor	0.41	0.61
tblOffRoadEquipment	LoadFactor	0.37	0.55
tblOffRoadEquipment	LoadFactor	0.38	0.57
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	4.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
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tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	1.00	0.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	2.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	0.00

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblProjectCharacteristics	OperationalYear	2014	2000
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
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tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	80.00
tblTripsAndVMT	VendorTripLength	7.30	40.00
tblTripsAndVMT	VendorTripLength	7.30	60.00
tblTripsAndVMT	VendorTripLength	7.30	60.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	3.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	MHDT
tblTripsAndVMT	WorkerTripNumber	50.00	0.00
tblTripsAndVMT	WorkerTripNumber	55.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	52.00
tblTripsAndVMT	WorkerTripNumber	38.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	0.08	0.04
tblVehicleEF	HHD	0.36	0.15

tblVehicleEF	HHD	5.24	6.67
tblVehicleEF	HHD	12.74	5.61
tblVehicleEF	HHD	85.33	36.76
tblVehicleEF	HHD	586.63	565.98
tblVehicleEF	HHD	1,618.99	1,608.32
tblVehicleEF	HHD	63.21	62.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.68	16.13
tblVehicleEF	HHD	20.30	12.00
tblVehicleEF	HHD	5.08	3.78
tblVehicleEF	HHD	0.35	0.20
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	0.35	0.20
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	2.8000e-003	1.1000e-003
tblVehicleEF	HHD	0.13	0.04
tblVehicleEF	HHD	1.90	1.63
tblVehicleEF	HHD	1.2000e-003	5.0000e-004
tblVehicleEF	HHD	1.60	0.96
tblVehicleEF	HHD	1.60	0.03
tblVehicleEF	HHD	5.60	2.49
tblVehicleEF	HHD	0.04	9.0000e-003
tblVehicleEF	HHD	0.12	0.01
tblVehicleEF	HHD	2.8000e-003	9.0000e-004
tblVehicleEF	HHD	2.8000e-003	1.1000e-003
tblVehicleEF	HHD	0.13	0.04
tblVehicleEF	HHD	2.16	1.85
tblVehicleEF	HHD	1.2000e-003	5.0000e-004

tblVehicleEF	HHD	1.81	1.09
tblVehicleEF	HHD	1.60	0.03
tblVehicleEF	HHD	6.03	2.67
tblVehicleEF	HHD	0.08	0.07
tblVehicleEF	HHD	0.08	0.04
tblVehicleEF	HHD	0.28	0.12
tblVehicleEF	HHD	3.81	4.85
tblVehicleEF	HHD	12.58	5.63
tblVehicleEF	HHD	77.37	30.37
tblVehicleEF	HHD	620.06	599.61
tblVehicleEF	HHD	1,618.99	1,608.32
tblVehicleEF	HHD	63.21	62.02
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.95	16.70
tblVehicleEF	HHD	20.53	12.15
tblVehicleEF	HHD	4.79	3.57
tblVehicleEF	HHD	0.30	0.17
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	0.30	0.17
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	5.4000e-003	2.2000e-003
tblVehicleEF	HHD	0.13	0.04
tblVehicleEF	HHD	1.78	1.53
tblVehicleEF	HHD	2.2000e-003	1.1000e-003
tblVehicleEF	HHD	1.60	0.97
tblVehicleEF	HHD	1.55	0.03
tblVehicleEF	HHD	4.39	2.03
tblVehicleEF	HHD	0.05	9.5000e-003

tblVehicleEF	HHD	0.12	0.01
tblVehicleEF	HHD	2.5000e-003	8.0000e-004
tblVehicleEF	HHD	5.4000e-003	2.2000e-003
tblVehicleEF	HHD	0.13	0.04
tblVehicleEF	HHD	2.03	1.74
tblVehicleEF	HHD	2.2000e-003	1.1000e-003
tblVehicleEF	HHD	1.81	1.10
tblVehicleEF	HHD	1.55	0.03
tblVehicleEF	HHD	4.73	2.18
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.08	0.04
tblVehicleEF	HHD	0.38	0.15
tblVehicleEF	HHD	7.24	9.22
tblVehicleEF	HHD	12.82	5.61
tblVehicleEF	HHD	87.18	38.06
tblVehicleEF	HHD	539.83	519.55
tblVehicleEF	HHD	1,618.99	1,608.32
tblVehicleEF	HHD	63.21	62.02
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tblVehicleEF	HHD	7.30	15.33
tblVehicleEF	HHD	21.76	12.83
tblVehicleEF	HHD	5.15	3.83
tblVehicleEF	HHD	0.43	0.25
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	0.43	0.25
tblVehicleEF	HHD	1.11	0.53
tblVehicleEF	HHD	4.6000e-003	3.1000e-003
tblVehicleEF	HHD	4.0000e-003	1.6000e-003
tblVehicleEF	HHD	0.19	0.05

tblVehicleEF	HHD	2.06	1.76
tblVehicleEF	HHD	1.1000e-003	5.0000e-004
tblVehicleEF	HHD	1.60	0.96
tblVehicleEF	HHD	1.71	0.03
tblVehicleEF	HHD	5.85	2.58
tblVehicleEF	HHD	0.04	8.3000e-003
tblVehicleEF	HHD	0.12	0.01
tblVehicleEF	HHD	2.8000e-003	9.0000e-004
tblVehicleEF	HHD	4.0000e-003	1.6000e-003
tblVehicleEF	HHD	0.19	0.05
tblVehicleEF	HHD	2.34	2.01
tblVehicleEF	HHD	1.1000e-003	5.0000e-004
tblVehicleEF	HHD	1.81	1.09
tblVehicleEF	HHD	1.71	0.03
tblVehicleEF	HHD	6.30	2.77
tblVehicleEF	LDA	0.06	0.02
tblVehicleEF	LDA	0.08	0.02
tblVehicleEF	LDA	6.88	1.92
tblVehicleEF	LDA	14.58	5.03
tblVehicleEF	LDA	384.96	275.71
tblVehicleEF	LDA	81.42	62.45
tblVehicleEF	LDA	0.50	0.47
tblVehicleEF	LDA	0.75	0.18
tblVehicleEF	LDA	0.73	0.33
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.18	0.09
tblVehicleEF	LDA	0.41	0.20

tblVehicleEF	LDA	0.10	0.06
tblVehicleEF	LDA	0.33	0.06
tblVehicleEF	LDA	2.10	0.13
tblVehicleEF	LDA	1.42	0.44
tblVehicleEF	LDA	5.2000e-003	3.5000e-003
tblVehicleEF	LDA	1.4000e-003	8.0000e-004
tblVehicleEF	LDA	0.18	0.09
tblVehicleEF	LDA	0.41	0.20
tblVehicleEF	LDA	0.10	0.06
tblVehicleEF	LDA	0.40	0.08
tblVehicleEF	LDA	2.10	0.13
tblVehicleEF	LDA	1.51	0.47
tblVehicleEF	LDA	0.07	0.02
tblVehicleEF	LDA	0.06	0.02
tblVehicleEF	LDA	7.25	2.06
tblVehicleEF	LDA	10.88	3.70
tblVehicleEF	LDA	406.06	287.87
tblVehicleEF	LDA	81.42	62.45
tblVehicleEF	LDA	0.50	0.47
tblVehicleEF	LDA	0.73	0.17
tblVehicleEF	LDA	0.66	0.29
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.38	0.19
tblVehicleEF	LDA	0.45	0.22
tblVehicleEF	LDA	0.20	0.12
tblVehicleEF	LDA	0.33	0.06
tblVehicleEF	LDA	1.97	0.12

tblVehicleEF	LDA	1.13	0.35
tblVehicleEF	LDA	5.5000e-003	3.7000e-003
tblVehicleEF	LDA	1.3000e-003	8.0000e-004
tblVehicleEF	LDA	0.38	0.19
tblVehicleEF	LDA	0.45	0.22
tblVehicleEF	LDA	0.20	0.12
tblVehicleEF	LDA	0.41	0.08
tblVehicleEF	LDA	1.97	0.12
tblVehicleEF	LDA	1.21	0.37
tblVehicleEF	LDA	0.06	0.02
tblVehicleEF	LDA	0.08	0.02
tblVehicleEF	LDA	6.83	1.90
tblVehicleEF	LDA	15.14	5.23
tblVehicleEF	LDA	380.58	273.40
tblVehicleEF	LDA	81.42	62.45
tblVehicleEF	LDA	0.50	0.47
tblVehicleEF	LDA	0.85	0.20
tblVehicleEF	LDA	0.74	0.33
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.01	9.2000e-003
tblVehicleEF	LDA	5.0000e-003	5.2000e-003
tblVehicleEF	LDA	0.25	0.12
tblVehicleEF	LDA	0.60	0.26
tblVehicleEF	LDA	0.08	0.05
tblVehicleEF	LDA	0.33	0.06
tblVehicleEF	LDA	2.43	0.15
tblVehicleEF	LDA	1.46	0.45
tblVehicleEF	LDA	5.2000e-003	3.5000e-003
tblVehicleEF	LDA	1.4000e-003	8.0000e-004

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tblVehicleEF	LDA	0.60	0.26
tblVehicleEF	LDA	0.08	0.05
tblVehicleEF	LDA	0.40	0.08
tblVehicleEF	LDA	2.43	0.15
tblVehicleEF	LDA	1.56	0.48
tblVehicleEF	LDT1	0.07	0.02
tblVehicleEF	LDT1	0.08	0.02
tblVehicleEF	LDT1	11.04	2.85
tblVehicleEF	LDT1	16.21	5.45
tblVehicleEF	LDT1	450.28	330.23
tblVehicleEF	LDT1	94.80	73.44
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	1.11	0.30
tblVehicleEF	LDT1	0.73	0.32
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	0.19	0.08
tblVehicleEF	LDT1	0.50	0.19
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.54	0.10
tblVehicleEF	LDT1	2.29	0.18
tblVehicleEF	LDT1	1.43	0.42
tblVehicleEF	LDT1	7.4000e-003	4.4000e-003
tblVehicleEF	LDT1	1.6000e-003	9.0000e-004
tblVehicleEF	LDT1	0.19	0.08
tblVehicleEF	LDT1	0.50	0.19
tblVehicleEF	LDT1	0.12	0.06
tblVehicleEF	LDT1	0.62	0.13
tblVehicleEF	LDT1	2.29	0.18

tblVehicleEF	LDT1	1.53	0.45
tblVehicleEF	LDT1	0.07	0.02
tblVehicleEF	LDT1	0.06	0.01
tblVehicleEF	LDT1	11.11	2.96
tblVehicleEF	LDT1	12.35	4.05
tblVehicleEF	LDT1	472.18	343.74
tblVehicleEF	LDT1	94.80	73.44
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	1.07	0.29
tblVehicleEF	LDT1	0.66	0.29
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	0.40	0.17
tblVehicleEF	LDT1	0.53	0.21
tblVehicleEF	LDT1	0.25	0.13
tblVehicleEF	LDT1	0.52	0.10
tblVehicleEF	LDT1	2.12	0.17
tblVehicleEF	LDT1	1.13	0.33
tblVehicleEF	LDT1	7.7000e-003	4.6000e-003
tblVehicleEF	LDT1	1.5000e-003	9.0000e-004
tblVehicleEF	LDT1	0.40	0.17
tblVehicleEF	LDT1	0.53	0.21
tblVehicleEF	LDT1	0.25	0.13
tblVehicleEF	LDT1	0.60	0.13
tblVehicleEF	LDT1	2.12	0.17
tblVehicleEF	LDT1	1.22	0.36
tblVehicleEF	LDT1	0.07	0.02
tblVehicleEF	LDT1	0.08	0.02
tblVehicleEF	LDT1	11.08	2.84
tblVehicleEF	LDT1	16.82	5.67

tblVehicleEF	LDT1	445.74	327.67
tblVehicleEF	LDT1	94.80	73.44
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	1.25	0.33
tblVehicleEF	LDT1	0.74	0.32
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	5.5000e-003	5.3000e-003
tblVehicleEF	LDT1	0.26	0.11
tblVehicleEF	LDT1	0.74	0.25
tblVehicleEF	LDT1	0.10	0.05
tblVehicleEF	LDT1	0.55	0.10
tblVehicleEF	LDT1	2.68	0.22
tblVehicleEF	LDT1	1.48	0.43
tblVehicleEF	LDT1	7.3000e-003	4.3000e-003
tblVehicleEF	LDT1	1.6000e-003	9.0000e-004
tblVehicleEF	LDT1	0.26	0.11
tblVehicleEF	LDT1	0.74	0.25
tblVehicleEF	LDT1	0.10	0.05
tblVehicleEF	LDT1	0.63	0.13
tblVehicleEF	LDT1	2.68	0.22
tblVehicleEF	LDT1	1.58	0.46
tblVehicleEF	LDT2	0.07	0.02
tblVehicleEF	LDT2	0.08	0.02
tblVehicleEF	LDT2	8.22	2.67
tblVehicleEF	LDT2	16.74	6.52
tblVehicleEF	LDT2	450.70	398.79
tblVehicleEF	LDT2	92.10	88.64
tblVehicleEF	LDT2	0.23	0.24
tblVehicleEF	LDT2	1.30	0.37
tblVehicleEF	LDT2	1.21	0.59

tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.33	0.19
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.34	0.07
tblVehicleEF	LDT2	1.49	0.20
tblVehicleEF	LDT2	1.51	0.52
tblVehicleEF	LDT2	6.0000e-003	4.4000e-003
tblVehicleEF	LDT2	1.6000e-003	1.0000e-003
tblVehicleEF	LDT2	0.15	0.09
tblVehicleEF	LDT2	0.33	0.19
tblVehicleEF	LDT2	0.08	0.06
tblVehicleEF	LDT2	0.42	0.10
tblVehicleEF	LDT2	1.49	0.20
tblVehicleEF	LDT2	1.61	0.56
tblVehicleEF	LDT2	0.07	0.03
tblVehicleEF	LDT2	0.06	0.02
tblVehicleEF	LDT2	8.70	2.88
tblVehicleEF	LDT2	12.35	4.78
tblVehicleEF	LDT2	474.48	415.85
tblVehicleEF	LDT2	92.10	88.64
tblVehicleEF	LDT2	0.23	0.24
tblVehicleEF	LDT2	1.25	0.35
tblVehicleEF	LDT2	1.09	0.54
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.01	0.02

tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.31	0.18
tblVehicleEF	LDT2	0.35	0.21
tblVehicleEF	LDT2	0.16	0.12
tblVehicleEF	LDT2	0.35	0.07
tblVehicleEF	LDT2	1.35	0.18
tblVehicleEF	LDT2	1.21	0.42
tblVehicleEF	LDT2	6.3000e-003	4.7000e-003
tblVehicleEF	LDT2	1.5000e-003	1.0000e-003
tblVehicleEF	LDT2	0.31	0.18
tblVehicleEF	LDT2	0.35	0.21
tblVehicleEF	LDT2	0.16	0.12
tblVehicleEF	LDT2	0.43	0.11
tblVehicleEF	LDT2	1.35	0.18
tblVehicleEF	LDT2	1.29	0.45
tblVehicleEF	LDT2	0.07	0.02
tblVehicleEF	LDT2	0.08	0.03
tblVehicleEF	LDT2	8.15	2.64
tblVehicleEF	LDT2	17.39	6.78
tblVehicleEF	LDT2	445.77	395.55
tblVehicleEF	LDT2	92.10	88.64
tblVehicleEF	LDT2	0.23	0.24
tblVehicleEF	LDT2	1.47	0.42
tblVehicleEF	LDT2	1.23	0.60
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.01	0.02
tblVehicleEF	LDT2	9.6000e-003	0.01
tblVehicleEF	LDT2	0.21	0.11
tblVehicleEF	LDT2	0.48	0.24

tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.34	0.07
tblVehicleEF	LDT2	1.81	0.24
tblVehicleEF	LDT2	1.55	0.54
tblVehicleEF	LDT2	6.0000e-003	4.4000e-003
tblVehicleEF	LDT2	1.6000e-003	1.0000e-003
tblVehicleEF	LDT2	0.21	0.11
tblVehicleEF	LDT2	0.48	0.24
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.42	0.10
tblVehicleEF	LDT2	1.81	0.24
tblVehicleEF	LDT2	1.66	0.57
tblVehicleEF	LHD1	1.6000e-003	1.5000e-003
tblVehicleEF	LHD1	0.09	0.01
tblVehicleEF	LHD1	0.08	0.02
tblVehicleEF	LHD1	0.23	0.21
tblVehicleEF	LHD1	13.73	2.24
tblVehicleEF	LHD1	20.82	6.35
tblVehicleEF	LHD1	7.82	8.48
tblVehicleEF	LHD1	562.78	545.65
tblVehicleEF	LHD1	39.75	40.28
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.7000e-003	0.02
tblVehicleEF	LHD1	2.73	1.45
tblVehicleEF	LHD1	2.11	1.60
tblVehicleEF	LHD1	0.00	2.0000e-004
tblVehicleEF	LHD1	8.6000e-003	0.01
tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	0.00	2.0000e-004
tblVehicleEF	LHD1	8.6000e-003	0.01

tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	4.2000e-003	1.6000e-003
tblVehicleEF	LHD1	0.13	0.03
tblVehicleEF	LHD1	1.4000e-003	6.0000e-004
tblVehicleEF	LHD1	0.66	0.14
tblVehicleEF	LHD1	1.10	0.28
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tblVehicleEF	LHD1	4.2000e-003	1.6000e-003
tblVehicleEF	LHD1	0.13	0.03
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	1.4000e-003	6.0000e-004
tblVehicleEF	LHD1	0.76	0.16
tblVehicleEF	LHD1	1.10	0.28
tblVehicleEF	LHD1	1.53	0.52
tblVehicleEF	LHD1	1.6000e-003	1.5000e-003
tblVehicleEF	LHD1	0.09	0.01
tblVehicleEF	LHD1	0.06	0.02
tblVehicleEF	LHD1	0.23	0.21
tblVehicleEF	LHD1	13.93	2.28
tblVehicleEF	LHD1	15.14	4.62
tblVehicleEF	LHD1	7.82	8.48
tblVehicleEF	LHD1	562.78	545.65
tblVehicleEF	LHD1	39.75	40.28
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	3.7000e-003	0.02
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tblVehicleEF	LHD1	1.99	1.51
tblVehicleEF	LHD1	0.00	2.0000e-004

tblVehicleEF	LHD1	8.6000e-003	0.01
tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	0.00	2.0000e-004
tblVehicleEF	LHD1	8.6000e-003	0.01
tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	8.1000e-003	3.0000e-003
tblVehicleEF	LHD1	0.14	0.03
tblVehicleEF	LHD1	2.5000e-003	1.1000e-003
tblVehicleEF	LHD1	0.68	0.14
tblVehicleEF	LHD1	1.05	0.27
tblVehicleEF	LHD1	1.14	0.40
tblVehicleEF	LHD1	8.0000e-003	5.8000e-003
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tblVehicleEF	LHD1	8.1000e-003	3.0000e-003
tblVehicleEF	LHD1	0.14	0.03
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	2.5000e-003	1.1000e-003
tblVehicleEF	LHD1	0.78	0.17
tblVehicleEF	LHD1	1.05	0.27
tblVehicleEF	LHD1	1.22	0.43
tblVehicleEF	LHD1	1.6000e-003	1.5000e-003
tblVehicleEF	LHD1	0.09	0.01
tblVehicleEF	LHD1	0.08	0.02
tblVehicleEF	LHD1	0.23	0.21
tblVehicleEF	LHD1	13.70	2.23
tblVehicleEF	LHD1	21.94	6.70
tblVehicleEF	LHD1	7.82	8.48
tblVehicleEF	LHD1	562.78	545.65
tblVehicleEF	LHD1	39.75	40.28
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	3.7000e-003	0.02
tblVehicleEF	LHD1	3.09	1.57
tblVehicleEF	LHD1	2.14	1.62
tblVehicleEF	LHD1	0.00	2.0000e-004
tblVehicleEF	LHD1	8.6000e-003	0.01
tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	0.00	2.0000e-004
tblVehicleEF	LHD1	8.6000e-003	0.01
tblVehicleEF	LHD1	3.4000e-003	1.9000e-003
tblVehicleEF	LHD1	6.3000e-003	2.3000e-003
tblVehicleEF	LHD1	0.20	0.04
tblVehicleEF	LHD1	1.2000e-003	5.0000e-004
tblVehicleEF	LHD1	0.65	0.14
tblVehicleEF	LHD1	1.21	0.32
tblVehicleEF	LHD1	1.49	0.51
tblVehicleEF	LHD1	8.0000e-003	5.8000e-003
tblVehicleEF	LHD1	1.0000e-003	5.0000e-004
tblVehicleEF	LHD1	6.3000e-003	2.3000e-003
tblVehicleEF	LHD1	0.20	0.04
tblVehicleEF	LHD1	0.04	0.03
tblVehicleEF	LHD1	1.2000e-003	5.0000e-004
tblVehicleEF	LHD1	0.75	0.16
tblVehicleEF	LHD1	1.21	0.32
tblVehicleEF	LHD1	1.60	0.54
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.06	0.02
tblVehicleEF	LHD2	0.19	0.18
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tblVehicleEF	LHD2	14.16	4.66
tblVehicleEF	LHD2	8.67	9.32

tblVehicleEF	LHD2	560.62	530.01
tblVehicleEF	LHD2	35.75	26.70
tblVehicleEF	LHD2	0.01	8.3670e-003
tblVehicleEF	LHD2	4.87	3.05
tblVehicleEF	LHD2	1.35	1.31
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	2.9000e-003	1.2000e-003
tblVehicleEF	LHD2	0.11	0.02
tblVehicleEF	LHD2	1.0000e-003	5.0000e-004
tblVehicleEF	LHD2	0.35	0.13
tblVehicleEF	LHD2	0.80	0.20
tblVehicleEF	LHD2	1.11	0.40
tblVehicleEF	LHD2	3.0000e-004	1.0000e-004
tblVehicleEF	LHD2	0.02	5.6000e-003
tblVehicleEF	LHD2	8.0000e-004	4.0000e-004
tblVehicleEF	LHD2	2.9000e-003	1.2000e-003
tblVehicleEF	LHD2	0.11	0.02
tblVehicleEF	LHD2	1.0000e-003	5.0000e-004
tblVehicleEF	LHD2	0.41	0.15
tblVehicleEF	LHD2	0.80	0.20
tblVehicleEF	LHD2	1.19	0.42
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.05	0.01
tblVehicleEF	LHD2	0.19	0.18
tblVehicleEF	LHD2	6.49	1.58

tblVehicleEF	LHD2	10.76	3.45
tblVehicleEF	LHD2	8.67	9.32
tblVehicleEF	LHD2	560.62	530.01
tblVehicleEF	LHD2	35.75	26.70
tblVehicleEF	LHD2	0.01	8.3670e-003
tblVehicleEF	LHD2	4.90	3.08
tblVehicleEF	LHD2	1.28	1.24
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	5.6000e-003	2.3000e-003
tblVehicleEF	LHD2	0.11	0.03
tblVehicleEF	LHD2	1.8000e-003	8.0000e-004
tblVehicleEF	LHD2	0.36	0.13
tblVehicleEF	LHD2	0.77	0.20
tblVehicleEF	LHD2	0.88	0.33
tblVehicleEF	LHD2	3.0000e-004	1.0000e-004
tblVehicleEF	LHD2	0.02	5.6000e-003
tblVehicleEF	LHD2	7.0000e-004	4.0000e-004
tblVehicleEF	LHD2	5.6000e-003	2.3000e-003
tblVehicleEF	LHD2	0.11	0.03
tblVehicleEF	LHD2	1.8000e-003	8.0000e-004
tblVehicleEF	LHD2	0.41	0.16
tblVehicleEF	LHD2	0.77	0.20
tblVehicleEF	LHD2	0.94	0.35
tblVehicleEF	LHD2	0.04	0.01
tblVehicleEF	LHD2	0.07	0.02

tblVehicleEF	LHD2	0.19	0.18
tblVehicleEF	LHD2	6.59	1.56
tblVehicleEF	LHD2	14.84	4.90
tblVehicleEF	LHD2	8.67	9.32
tblVehicleEF	LHD2	560.62	530.01
tblVehicleEF	LHD2	35.75	26.70
tblVehicleEF	LHD2	0.01	8.3670e-003
tblVehicleEF	LHD2	5.25	3.26
tblVehicleEF	LHD2	1.37	1.32
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	1.0000e-003	6.0000e-004
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.4000e-003	1.8000e-003
tblVehicleEF	LHD2	4.4000e-003	1.7000e-003
tblVehicleEF	LHD2	0.16	0.03
tblVehicleEF	LHD2	9.0000e-004	4.0000e-004
tblVehicleEF	LHD2	0.35	0.13
tblVehicleEF	LHD2	0.88	0.23
tblVehicleEF	LHD2	1.16	0.41
tblVehicleEF	LHD2	3.0000e-004	1.0000e-004
tblVehicleEF	LHD2	0.02	5.6000e-003
tblVehicleEF	LHD2	8.0000e-004	4.0000e-004
tblVehicleEF	LHD2	4.4000e-003	1.7000e-003
tblVehicleEF	LHD2	0.16	0.03
tblVehicleEF	LHD2	9.0000e-004	4.0000e-004
tblVehicleEF	LHD2	0.41	0.15
tblVehicleEF	LHD2	0.88	0.23
tblVehicleEF	LHD2	1.25	0.44

tblVehicleEF	MCY	0.25	0.24
tblVehicleEF	MCY	0.21	0.15
tblVehicleEF	MCY	48.89	42.48
tblVehicleEF	MCY	9.38	10.04
tblVehicleEF	MCY	110.77	145.91
tblVehicleEF	MCY	54.81	43.64
tblVehicleEF	MCY	3.6950e-003	8.3040e-003
tblVehicleEF	MCY	1.34	1.24
tblVehicleEF	MCY	0.33	0.31
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	0.98	0.66
tblVehicleEF	MCY	1.36	0.37
tblVehicleEF	MCY	0.64	0.38
tblVehicleEF	MCY	3.75	3.45
tblVehicleEF	MCY	8.93	0.72
tblVehicleEF	MCY	3.06	2.38
tblVehicleEF	MCY	2.6000e-003	2.2000e-003
tblVehicleEF	MCY	1.0000e-003	7.0000e-004
tblVehicleEF	MCY	0.98	0.66
tblVehicleEF	MCY	1.36	0.37
tblVehicleEF	MCY	0.64	0.38
tblVehicleEF	MCY	4.06	3.74
tblVehicleEF	MCY	8.93	0.72
tblVehicleEF	MCY	3.30	2.57
tblVehicleEF	MCY	0.24	0.23
tblVehicleEF	MCY	0.17	0.12
tblVehicleEF	MCY	44.24	38.87

tblVehicleEF	MCY	8.72	8.64
tblVehicleEF	MCY	110.77	145.91
tblVehicleEF	MCY	54.81	43.64
tblVehicleEF	MCY	3.6950e-003	8.3040e-003
tblVehicleEF	MCY	1.29	1.20
tblVehicleEF	MCY	0.30	0.29
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	2.09	1.46
tblVehicleEF	MCY	1.39	0.42
tblVehicleEF	MCY	1.37	0.89
tblVehicleEF	MCY	3.41	3.23
tblVehicleEF	MCY	8.43	0.66
tblVehicleEF	MCY	2.47	1.94
tblVehicleEF	MCY	2.4000e-003	2.1000e-003
tblVehicleEF	MCY	1.0000e-003	7.0000e-004
tblVehicleEF	MCY	2.09	1.46
tblVehicleEF	MCY	1.39	0.42
tblVehicleEF	MCY	1.37	0.89
tblVehicleEF	MCY	3.70	3.51
tblVehicleEF	MCY	8.43	0.66
tblVehicleEF	MCY	2.67	2.09
tblVehicleEF	MCY	0.25	0.24
tblVehicleEF	MCY	0.21	0.16
tblVehicleEF	MCY	50.14	43.46
tblVehicleEF	MCY	9.56	10.30
tblVehicleEF	MCY	110.77	145.91
tblVehicleEF	MCY	54.81	43.64

tblVehicleEF	MCY	3.6950e-003	8.3040e-003
tblVehicleEF	MCY	1.51	1.41
tblVehicleEF	MCY	0.33	0.31
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	0.04	0.03
tblVehicleEF	MCY	0.02	0.01
tblVehicleEF	MCY	1.36	0.95
tblVehicleEF	MCY	2.10	0.56
tblVehicleEF	MCY	0.53	0.30
tblVehicleEF	MCY	3.82	3.49
tblVehicleEF	MCY	10.09	0.86
tblVehicleEF	MCY	3.16	2.46
tblVehicleEF	MCY	2.6000e-003	2.2000e-003
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tblVehicleEF	MCY	1.36	0.95
tblVehicleEF	MCY	2.10	0.56
tblVehicleEF	MCY	0.53	0.30
tblVehicleEF	MCY	4.14	3.79
tblVehicleEF	MCY	10.09	0.86
tblVehicleEF	MCY	3.42	2.65
tblVehicleEF	MDV	0.09	0.03
tblVehicleEF	MDV	0.11	0.04
tblVehicleEF	MDV	11.39	3.37
tblVehicleEF	MDV	21.24	8.00
tblVehicleEF	MDV	631.03	525.44
tblVehicleEF	MDV	131.64	115.52
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	1.68	0.49
tblVehicleEF	MDV	1.33	0.72

tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.32	0.16
tblVehicleEF	MDV	0.08	0.06
tblVehicleEF	MDV	0.51	0.11
tblVehicleEF	MDV	1.40	0.16
tblVehicleEF	MDV	1.93	0.72
tblVehicleEF	MDV	8.4000e-003	6.0000e-003
tblVehicleEF	MDV	2.2000e-003	1.3000e-003
tblVehicleEF	MDV	0.15	0.08
tblVehicleEF	MDV	0.32	0.16
tblVehicleEF	MDV	0.08	0.06
tblVehicleEF	MDV	0.61	0.15
tblVehicleEF	MDV	1.40	0.16
tblVehicleEF	MDV	2.07	0.77
tblVehicleEF	MDV	0.09	0.03
tblVehicleEF	MDV	0.08	0.03
tblVehicleEF	MDV	11.61	3.57
tblVehicleEF	MDV	15.89	5.88
tblVehicleEF	MDV	665.11	547.58
tblVehicleEF	MDV	131.64	115.52
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	1.62	0.47
tblVehicleEF	MDV	1.21	0.66
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.01	0.02

tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.31	0.17
tblVehicleEF	MDV	0.34	0.18
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.51	0.11
tblVehicleEF	MDV	1.27	0.15
tblVehicleEF	MDV	1.53	0.57
tblVehicleEF	MDV	8.8000e-003	6.4000e-003
tblVehicleEF	MDV	2.1000e-003	1.3000e-003
tblVehicleEF	MDV	0.31	0.17
tblVehicleEF	MDV	0.34	0.18
tblVehicleEF	MDV	0.17	0.12
tblVehicleEF	MDV	0.61	0.16
tblVehicleEF	MDV	1.27	0.15
tblVehicleEF	MDV	1.63	0.61
tblVehicleEF	MDV	0.09	0.03
tblVehicleEF	MDV	0.11	0.04
tblVehicleEF	MDV	11.40	3.34
tblVehicleEF	MDV	22.06	8.31
tblVehicleEF	MDV	623.97	521.24
tblVehicleEF	MDV	131.64	115.52
tblVehicleEF	MDV	0.09	0.12
tblVehicleEF	MDV	1.90	0.56
tblVehicleEF	MDV	1.36	0.74
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.01	0.02
tblVehicleEF	MDV	9.4000e-003	0.01
tblVehicleEF	MDV	0.21	0.10
tblVehicleEF	MDV	0.47	0.21

tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.51	0.11
tblVehicleEF	MDV	1.69	0.20
tblVehicleEF	MDV	1.99	0.74
tblVehicleEF	MDV	8.3000e-003	6.0000e-003
tblVehicleEF	MDV	2.2000e-003	1.3000e-003
tblVehicleEF	MDV	0.21	0.10
tblVehicleEF	MDV	0.47	0.21
tblVehicleEF	MDV	0.07	0.05
tblVehicleEF	MDV	0.61	0.15
tblVehicleEF	MDV	1.69	0.20
tblVehicleEF	MDV	2.13	0.79
tblVehicleEF	MH	0.11	0.04
tblVehicleEF	MH	0.19	0.05
tblVehicleEF	MH	38.60	9.85
tblVehicleEF	MH	40.03	15.87
tblVehicleEF	MH	600.90	630.73
tblVehicleEF	MH	61.92	30.91
tblVehicleEF	MH	6.2070e-003	5.9790e-003
tblVehicleEF	MH	4.25	2.15
tblVehicleEF	MH	2.36	1.25
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	2.24	1.31
tblVehicleEF	MH	0.23	0.09
tblVehicleEF	MH	0.86	0.54
tblVehicleEF	MH	0.97	0.27
tblVehicleEF	MH	1.65	0.02
tblVehicleEF	MH	3.13	0.99
tblVehicleEF	MH	0.01	7.0000e-003

tblVehicleEF	MH	1.7000e-003	6.0000e-004
tblVehicleEF	MH	2.24	1.31
tblVehicleEF	MH	0.23	0.09
tblVehicleEF	MH	0.86	0.54
tblVehicleEF	MH	1.10	0.32
tblVehicleEF	MH	1.65	0.02
tblVehicleEF	MH	3.36	1.06
tblVehicleEF	MH	0.10	0.04
tblVehicleEF	MH	0.14	0.04
tblVehicleEF	MH	37.61	9.87
tblVehicleEF	MH	29.98	11.41
tblVehicleEF	MH	600.90	630.73
tblVehicleEF	MH	61.92	30.91
tblVehicleEF	MH	6.2070e-003	5.9790e-003
tblVehicleEF	MH	4.15	2.13
tblVehicleEF	MH	2.23	1.18
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	4.22	2.41
tblVehicleEF	MH	0.23	0.10
tblVehicleEF	MH	1.56	0.93
tblVehicleEF	MH	0.94	0.27
tblVehicleEF	MH	1.60	0.02
tblVehicleEF	MH	2.33	0.75
tblVehicleEF	MH	0.01	7.0000e-003
tblVehicleEF	MH	1.5000e-003	5.0000e-004
tblVehicleEF	MH	4.22	2.41
tblVehicleEF	MH	0.23	0.10
tblVehicleEF	MH	1.56	0.93
tblVehicleEF	MH	1.06	0.32

tblVehicleEF	MH	1.60	0.02
tblVehicleEF	MH	2.51	0.81
tblVehicleEF	MH	0.11	0.04
tblVehicleEF	MH	0.21	0.06
tblVehicleEF	MH	39.05	9.87
tblVehicleEF	MH	41.91	16.70
tblVehicleEF	MH	600.90	630.73
tblVehicleEF	MH	61.92	30.91
tblVehicleEF	MH	6.2070e-003	5.9790e-003
tblVehicleEF	MH	4.81	2.39
tblVehicleEF	MH	2.39	1.27
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	2.3000e-003	9.0000e-004
tblVehicleEF	MH	3.26	1.86
tblVehicleEF	MH	0.35	0.14
tblVehicleEF	MH	0.82	0.50
tblVehicleEF	MH	0.98	0.27
tblVehicleEF	MH	1.78	0.02
tblVehicleEF	MH	3.29	1.03
tblVehicleEF	MH	0.01	7.0000e-003
tblVehicleEF	MH	1.8000e-003	6.0000e-004
tblVehicleEF	MH	3.26	1.86
tblVehicleEF	MH	0.35	0.14
tblVehicleEF	MH	0.82	0.50
tblVehicleEF	MH	1.11	0.32
tblVehicleEF	MH	1.78	0.02
tblVehicleEF	MH	3.53	1.10
tblVehicleEF	MHD	1.2000e-003	1.0000e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.14	0.04

tblVehicleEF	MHD	0.18	0.15
tblVehicleEF	MHD	9.15	2.76
tblVehicleEF	MHD	22.55	8.76
tblVehicleEF	MHD	11.63	603.24
tblVehicleEF	MHD	1,272.95	949.41
tblVehicleEF	MHD	41.32	56.95
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.16
tblVehicleEF	MHD	12.95	6.89
tblVehicleEF	MHD	1.36	0.86
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	2.3000e-003	9.0000e-004
tblVehicleEF	MHD	0.09	0.02
tblVehicleEF	MHD	9.0000e-004	4.0000e-004
tblVehicleEF	MHD	0.44	0.17
tblVehicleEF	MHD	0.89	0.23
tblVehicleEF	MHD	2.24	0.66
tblVehicleEF	MHD	7.0000e-004	1.0000e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	1.1000e-003	3.0000e-004
tblVehicleEF	MHD	2.3000e-003	9.0000e-004
tblVehicleEF	MHD	0.09	0.02
tblVehicleEF	MHD	9.0000e-004	4.0000e-004
tblVehicleEF	MHD	0.50	0.20
tblVehicleEF	MHD	0.89	0.23

tblVehicleEF	MHD	2.41	0.70
tblVehicleEF	MHD	1.2000e-003	1.0000e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.11	0.03
tblVehicleEF	MHD	0.18	0.15
tblVehicleEF	MHD	8.99	2.76
tblVehicleEF	MHD	18.62	6.82
tblVehicleEF	MHD	11.63	639.07
tblVehicleEF	MHD	1,272.95	949.41
tblVehicleEF	MHD	41.32	56.95
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.16
tblVehicleEF	MHD	13.10	6.97
tblVehicleEF	MHD	1.28	0.81
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	4.4000e-003	1.7000e-003
tblVehicleEF	MHD	0.10	0.02
tblVehicleEF	MHD	1.7000e-003	7.0000e-004
tblVehicleEF	MHD	0.44	0.17
tblVehicleEF	MHD	0.86	0.23
tblVehicleEF	MHD	1.73	0.52
tblVehicleEF	MHD	7.0000e-004	1.0000e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	1.0000e-003	3.0000e-004
tblVehicleEF	MHD	4.4000e-003	1.7000e-003

tblVehicleEF	MHD	0.10	0.02
tblVehicleEF	MHD	1.7000e-003	7.0000e-004
tblVehicleEF	MHD	0.49	0.20
tblVehicleEF	MHD	0.86	0.23
tblVehicleEF	MHD	1.86	0.56
tblVehicleEF	MHD	1.2000e-003	1.0000e-003
tblVehicleEF	MHD	0.04	0.01
tblVehicleEF	MHD	0.15	0.04
tblVehicleEF	MHD	0.18	0.15
tblVehicleEF	MHD	9.23	2.76
tblVehicleEF	MHD	23.33	9.14
tblVehicleEF	MHD	11.63	553.74
tblVehicleEF	MHD	1,272.95	949.41
tblVehicleEF	MHD	41.32	56.95
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.13	0.16
tblVehicleEF	MHD	13.98	7.42
tblVehicleEF	MHD	1.38	0.87
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	3.0000e-003	2.2000e-003
tblVehicleEF	MHD	0.23	0.14
tblVehicleEF	MHD	2.8000e-003	1.4000e-003
tblVehicleEF	MHD	3.3000e-003	1.2000e-003
tblVehicleEF	MHD	0.14	0.03
tblVehicleEF	MHD	9.0000e-004	4.0000e-004
tblVehicleEF	MHD	0.44	0.17
tblVehicleEF	MHD	0.95	0.25
tblVehicleEF	MHD	2.34	0.68

tblVehicleEF	MHD	7.0000e-004	1.0000e-004
tblVehicleEF	MHD	0.09	0.01
tblVehicleEF	MHD	1.1000e-003	3.0000e-004
tblVehicleEF	MHD	3.3000e-003	1.2000e-003
tblVehicleEF	MHD	0.14	0.03
tblVehicleEF	MHD	9.0000e-004	4.0000e-004
tblVehicleEF	MHD	0.50	0.20
tblVehicleEF	MHD	0.95	0.25
tblVehicleEF	MHD	2.52	0.73
tblVehicleEF	OBUS	0.07	0.05
tblVehicleEF	OBUS	0.18	0.07
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	16.09	5.64
tblVehicleEF	OBUS	32.30	17.61
tblVehicleEF	OBUS	10.14	571.35
tblVehicleEF	OBUS	910.06	845.43
tblVehicleEF	OBUS	55.21	36.18
tblVehicleEF	OBUS	3.2700e-004	4.7800e-004
tblVehicleEF	OBUS	8.61	4.79
tblVehicleEF	OBUS	1.81	1.97
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003
tblVehicleEF	OBUS	3.0000e-003	1.2000e-003
tblVehicleEF	OBUS	0.13	0.03
tblVehicleEF	OBUS	1.2000e-003	5.0000e-004
tblVehicleEF	OBUS	0.60	0.25

tblVehicleEF	OBUS	1.14	0.55
tblVehicleEF	OBUS	2.89	1.20
tblVehicleEF	OBUS	4.0000e-004	1.0000e-004
tblVehicleEF	OBUS	0.05	9.2000e-003
tblVehicleEF	OBUS	1.5000e-003	6.0000e-004
tblVehicleEF	OBUS	3.0000e-003	1.2000e-003
tblVehicleEF	OBUS	0.13	0.03
tblVehicleEF	OBUS	1.2000e-003	5.0000e-004
tblVehicleEF	OBUS	0.69	0.31
tblVehicleEF	OBUS	1.14	0.55
tblVehicleEF	OBUS	3.11	1.29
tblVehicleEF	OBUS	0.07	0.05
tblVehicleEF	OBUS	0.14	0.05
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	15.96	5.70
tblVehicleEF	OBUS	25.84	13.57
tblVehicleEF	OBUS	10.14	605.30
tblVehicleEF	OBUS	910.06	845.43
tblVehicleEF	OBUS	55.21	36.18
tblVehicleEF	OBUS	3.2700e-004	4.7800e-004
tblVehicleEF	OBUS	8.64	4.80
tblVehicleEF	OBUS	1.71	1.86
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003
tblVehicleEF	OBUS	5.6000e-003	2.2000e-003
tblVehicleEF	OBUS	0.13	0.04

tblVehicleEF	OBUS	2.2000e-003	1.0000e-003
tblVehicleEF	OBUS	0.61	0.25
tblVehicleEF	OBUS	1.11	0.53
tblVehicleEF	OBUS	2.23	0.98
tblVehicleEF	OBUS	4.0000e-004	1.0000e-004
tblVehicleEF	OBUS	0.05	9.2000e-003
tblVehicleEF	OBUS	1.3000e-003	6.0000e-004
tblVehicleEF	OBUS	5.6000e-003	2.2000e-003
tblVehicleEF	OBUS	0.13	0.04
tblVehicleEF	OBUS	2.2000e-003	1.0000e-003
tblVehicleEF	OBUS	0.69	0.31
tblVehicleEF	OBUS	1.11	0.53
tblVehicleEF	OBUS	2.40	1.05
tblVehicleEF	OBUS	0.07	0.05
tblVehicleEF	OBUS	0.19	0.07
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	16.18	5.63
tblVehicleEF	OBUS	33.56	18.39
tblVehicleEF	OBUS	10.14	524.48
tblVehicleEF	OBUS	910.06	845.43
tblVehicleEF	OBUS	55.21	36.18
tblVehicleEF	OBUS	3.2700e-004	4.7800e-004
tblVehicleEF	OBUS	9.40	5.27
tblVehicleEF	OBUS	1.83	1.99
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003
tblVehicleEF	OBUS	2.0000e-003	1.0000e-003
tblVehicleEF	OBUS	0.13	0.07
tblVehicleEF	OBUS	3.4000e-003	2.5000e-003

tblVehicleEF	OBUS	4.3000e-003	1.6000e-003
tblVehicleEF	OBUS	0.19	0.05
tblVehicleEF	OBUS	1.1000e-003	5.0000e-004
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tblVehicleEF	OBUS	1.22	0.59
tblVehicleEF	OBUS	3.03	1.24
tblVehicleEF	OBUS	4.0000e-004	1.0000e-004
tblVehicleEF	OBUS	0.05	9.2000e-003
tblVehicleEF	OBUS	1.5000e-003	6.0000e-004
tblVehicleEF	OBUS	4.3000e-003	1.6000e-003
tblVehicleEF	OBUS	0.19	0.05
tblVehicleEF	OBUS	1.1000e-003	5.0000e-004
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tblVehicleEF	OBUS	1.22	0.59
tblVehicleEF	OBUS	3.26	1.33
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	0.12	0.07
tblVehicleEF	SBUS	5.77	6.38
tblVehicleEF	SBUS	24.16	14.51
tblVehicleEF	SBUS	20.02	14.36
tblVehicleEF	SBUS	513.87	570.82
tblVehicleEF	SBUS	1,338.04	1,087.12
tblVehicleEF	SBUS	39.39	137.83
tblVehicleEF	SBUS	6.8500e-004	5.3300e-004
tblVehicleEF	SBUS	7.55	8.00
tblVehicleEF	SBUS	11.82	11.58
tblVehicleEF	SBUS	0.37	0.42
tblVehicleEF	SBUS	2.0000e-003	2.1000e-003
tblVehicleEF	SBUS	0.37	0.42

tblVehicleEF	SBUS	2.0000e-003	2.1000e-003
tblVehicleEF	SBUS	0.22	0.15
tblVehicleEF	SBUS	0.82	0.91
tblVehicleEF	SBUS	5.8000e-003	6.0000e-003
tblVehicleEF	SBUS	1.25	0.90
tblVehicleEF	SBUS	2.03	0.19
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tblVehicleEF	SBUS	0.03	5.4000e-003
tblVehicleEF	SBUS	0.09	0.01
tblVehicleEF	SBUS	1.0000e-003	5.0000e-004
tblVehicleEF	SBUS	0.22	0.15
tblVehicleEF	SBUS	0.89	0.99
tblVehicleEF	SBUS	5.8000e-003	6.0000e-003
tblVehicleEF	SBUS	1.36	1.00
tblVehicleEF	SBUS	2.03	0.19
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tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.07	0.05
tblVehicleEF	SBUS	0.10	0.06
tblVehicleEF	SBUS	5.77	6.38
tblVehicleEF	SBUS	22.31	13.79
tblVehicleEF	SBUS	17.29	12.05
tblVehicleEF	SBUS	513.87	604.73
tblVehicleEF	SBUS	1,338.04	1,087.12
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tblVehicleEF	SBUS	11.93	11.71
tblVehicleEF	SBUS	0.37	0.42
tblVehicleEF	SBUS	2.0000e-003	2.1000e-003

tblVehicleEF	SBUS	0.37	0.42
tblVehicleEF	SBUS	2.0000e-003	2.1000e-003
tblVehicleEF	SBUS	0.22	0.15
tblVehicleEF	SBUS	0.82	0.91
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tblVehicleEF	SBUS	9.0000e-004	5.0000e-004
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tblVehicleEF	SBUS	0.89	0.99
tblVehicleEF	SBUS	1.28	0.97
tblVehicleEF	SBUS	1.84	0.17
tblVehicleEF	SBUS	1.68	1.06
tblVehicleEF	SBUS	0.03	0.04
tblVehicleEF	SBUS	0.07	0.05
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tblVehicleEF	SBUS	5.77	6.38
tblVehicleEF	SBUS	24.73	14.74
tblVehicleEF	SBUS	21.03	15.18
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tblVehicleEF	SBUS	0.75	0.74
tblVehicleEF	SBUS	0.37	0.42
tblVehicleEF	SBUS	2.0000e-003	2.1000e-003

tblVehicleEF	SBUS	0.37	0.42
tblVehicleEF	SBUS	2.0000e-003	2.1000e-003
tblVehicleEF	SBUS	0.32	0.22
tblVehicleEF	SBUS	0.82	0.91
tblVehicleEF	SBUS	5.5000e-003	5.6000e-003
tblVehicleEF	SBUS	1.27	0.91
tblVehicleEF	SBUS	2.46	0.23
tblVehicleEF	SBUS	2.04	1.25
tblVehicleEF	SBUS	0.03	5.4000e-003
tblVehicleEF	SBUS	0.09	0.01
tblVehicleEF	SBUS	1.0000e-003	6.0000e-004
tblVehicleEF	SBUS	0.32	0.22
tblVehicleEF	SBUS	0.89	0.99
tblVehicleEF	SBUS	5.5000e-003	5.6000e-003
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tblVehicleEF	SBUS	2.46	0.23
tblVehicleEF	SBUS	2.20	1.34
tblVehicleEF	UBUS	0.11	0.07
tblVehicleEF	UBUS	0.18	0.14
tblVehicleEF	UBUS	20.58	10.76
tblVehicleEF	UBUS	43.62	42.52
tblVehicleEF	UBUS	1,751.13	1,921.59
tblVehicleEF	UBUS	88.92	39.89
tblVehicleEF	UBUS	2.9300e-004	3.5600e-004
tblVehicleEF	UBUS	13.72	11.09
tblVehicleEF	UBUS	3.60	4.72
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003

tblVehicleEF	UBUS	0.01	9.9000e-003
tblVehicleEF	UBUS	0.25	0.20
tblVehicleEF	UBUS	5.7000e-003	6.4000e-003
tblVehicleEF	UBUS	1.50	1.08
tblVehicleEF	UBUS	1.95	0.05
tblVehicleEF	UBUS	3.13	2.57
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	2.1000e-003	1.4000e-003
tblVehicleEF	UBUS	0.01	9.9000e-003
tblVehicleEF	UBUS	0.25	0.20
tblVehicleEF	UBUS	5.7000e-003	6.4000e-003
tblVehicleEF	UBUS	1.66	1.20
tblVehicleEF	UBUS	1.95	0.05
tblVehicleEF	UBUS	3.35	2.74
tblVehicleEF	UBUS	0.11	0.07
tblVehicleEF	UBUS	0.16	0.12
tblVehicleEF	UBUS	19.74	11.03
tblVehicleEF	UBUS	35.52	33.97
tblVehicleEF	UBUS	1,751.13	1,921.59
tblVehicleEF	UBUS	88.92	39.89
tblVehicleEF	UBUS	2.9300e-004	3.5600e-004
tblVehicleEF	UBUS	13.81	11.15
tblVehicleEF	UBUS	3.38	4.44
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.27	0.22
tblVehicleEF	UBUS	1.47	1.11

tblVehicleEF	UBUS	1.79	0.04
tblVehicleEF	UBUS	2.67	2.25
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	2.0000e-003	1.3000e-003
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.27	0.22
tblVehicleEF	UBUS	1.64	1.23
tblVehicleEF	UBUS	1.79	0.04
tblVehicleEF	UBUS	2.86	2.40
tblVehicleEF	UBUS	0.11	0.07
tblVehicleEF	UBUS	0.19	0.14
tblVehicleEF	UBUS	20.81	10.72
tblVehicleEF	UBUS	44.92	43.86
tblVehicleEF	UBUS	1,751.13	1,921.59
tblVehicleEF	UBUS	88.92	39.89
tblVehicleEF	UBUS	2.9300e-004	3.5600e-004
tblVehicleEF	UBUS	14.83	12.02
tblVehicleEF	UBUS	3.64	4.77
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003
tblVehicleEF	UBUS	0.20	0.15
tblVehicleEF	UBUS	5.4000e-003	6.0000e-003
tblVehicleEF	UBUS	0.02	0.01
tblVehicleEF	UBUS	0.39	0.26
tblVehicleEF	UBUS	1.50	1.08
tblVehicleEF	UBUS	2.32	0.06
tblVehicleEF	UBUS	3.21	2.62
tblVehicleEF	UBUS	0.11	0.01
tblVehicleEF	UBUS	2.2000e-003	1.5000e-003
tblVehicleEF	UBUS	0.02	0.01

tblVehicleEF	UBUS	0.39	0.26
tblVehicleEF	UBUS	1.67	1.19
tblVehicleEF	UBUS	2.32	0.06
tblVehicleEF	UBUS	3.44	2.80
tblWater	AerobicPercent	87.46	84.69
tblWater	AnaDigestCombDigestGasPercent	100.00	3.17
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	2.14
tblWater	SepticTankPercent	10.33	10.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
1999	3.0496	22.5207			0.1656	1.4715	1.6371	0.0291	1.4715	1.5005			874.0137	0.2466	0.0000	879.1919
2000	1.9286	16.4721			0.1042	0.7357	0.8399	0.0217	0.7357	0.7574			1,020.2402	0.1581	0.0000	1,023.5596
Total	4.9781	38.9929			0.2698	2.2071	2.4770	0.0508	2.2071	2.2580			1,894.2539	0.4047	0.0000	1,902.7516

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					

1999	3.0496	22.5207			0.1072	1.4715	1.5786	0.0228	1.4715	1.4942			874.0128	0.2466	0.0000	879.1910
2000	1.9286	16.4721			0.0775	0.7357	0.8132	0.0189	0.7357	0.7545			1,020.2391	0.1581	0.0000	1,023.5585
Total	4.9781	38.9928			0.1847	2.2071	2.3918	0.0416	2.2071	2.2488			1,894.2518	0.4047	0.0000	1,902.7495

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.56	0.00	3.44	18.10	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Area	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Survey	Site Preparation	1/1/1999	1/20/1999	5	14	Phase 01
2	Material Staging Yards	Site Preparation	1/21/1999	12/20/2000	5	500	Phase 02
3	Roads and Landing Work	Grading	1/21/1999	3/30/1999	5	49	Phase 03
4	TSP Haul	Site Preparation	3/31/1999	5/6/1999	5	27	Phase 04
5	Install TSP foundation	Building Construction	5/7/1999	10/1/1999	5	106	Phase 05
6	TSP Assembly	Site Preparation	10/2/1999	12/15/1999	5	53	Phase 06
7	TSP Erection	Site Preparation	10/2/1999	12/15/1999	5	53	Phase 07
8	Install J-Tower Footings	Site Preparation	12/16/1999	1/19/2000	5	25	Phase 08
9	J-Tower Assembly & Erection	Site Preparation	1/20/2000	2/23/2000	5	25	Phase 09
10	Remove Existing Conductor	Trenching	2/24/2000	3/31/2000	5	27	Phase 10
11	Install Conductor	Site Preparation	4/1/2000	5/9/2000	5	27	Phase 11

12	LST Removal	Site Preparation	5/10/2000	10/24/2000	5	120	Phase 12
13	LST Foundation Removal	Demolition	10/25/2000	11/14/2000	5	15	Phase 13
14	Wood Pole Removal	Site Preparation	11/15/2000	11/15/2000	5	1	Phase 14
15	Restoration	Site Preparation	11/16/2000	12/5/2000	5	14	Phase 15

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Survey	Graders	1	0.00	162	0.61
Survey	Off-Highway Trucks	1	0.00	300	0.57
Survey	Tractors/Loaders/Backhoes	1	0.00	75	0.55
Material Staging Yards	Cranes	1	2.00	350	0.29
Material Staging Yards	Forklifts	1	6.00	125	0.20
Material Staging Yards	Graders	1	0.00	162	0.41
Material Staging Yards	Off-Highway Trucks	1	4.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	8.00	300	0.38
Material Staging Yards	Off-Highway Trucks	1	2.00	400	0.38
Material Staging Yards	Tractors/Loaders/Backhoes	1	0.00	160	0.37
Roads and Landing Work	Concrete/Industrial Saws	1	0.00	81	0.73
Roads and Landing Work	Cranes	1	0.00	350	0.29
Roads and Landing Work	Excavators	1	4.00	250	0.38
Roads and Landing Work	Graders	1	6.00	250	0.41
Roads and Landing Work	Off-Highway Trucks	1	4.00	450	0.38
Roads and Landing Work	Off-Highway Trucks	2	8.00	300	0.38
Roads and Landing Work	Off-Highway Trucks	2	8.00	300	0.38
Roads and Landing Work	Other Construction Equipment	1	8.00	110	0.42

Roads and Landing Work	Other General Industrial Equipment	1	8.00	50	0.34
Roads and Landing Work	Plate Compactors	1	6.00	100	0.43
Roads and Landing Work	Rubber Tired Dozers	1	0.00	358	0.40
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	125	0.37
Roads and Landing Work	Tractors/Loaders/Backhoes	1	4.00	150	0.37
TSP Haul	Cranes	1	6.00	350	0.29
TSP Haul	Graders	1	0.00	162	0.41
TSP Haul	Off-Highway Trucks	1	8.00	400	0.38
TSP Haul	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Install TSP foundation	Bore/Drill Rigs	1	6.00	125	0.50
Install TSP foundation	Cement and Mortar Mixers	3	2.00	350	0.56
Install TSP foundation	Cranes	1	0.00	350	0.29
Install TSP foundation	Cranes	1	4.00	350	0.29
Install TSP foundation	Forklifts	1	0.00	125	0.20
Install TSP foundation	Off-Highway Trucks	1	4.00	350	0.38
Install TSP foundation	Off-Highway Trucks	1	0.00	400	0.38
Install TSP foundation	Off-Highway Trucks	1	8.00	300	0.38
Install TSP foundation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
TSP Assembly	Air Compressors	1	6.00	60	0.48
TSP Assembly	Cranes	1	8.00	350	0.29
TSP Assembly	Graders	1	0.00	162	0.41
TSP Assembly	Off-Highway Trucks	2	4.00	300	0.38
TSP Assembly	Tractors/Loaders/Backhoes	1	0.00	75	0.37
TSP Erection	Air Compressors	1	4.00	60	0.48
TSP Erection	Cranes	1	8.00	350	0.29
TSP Erection	Graders	1	0.00	162	0.41
TSP Erection	Off-Highway Trucks	2	4.00	300	0.38
TSP Erection	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Install J-Tower Footings	Air Compressors	1	7.00	60	0.48
Install J-Tower Footings	Excavators	1	6.00	70	0.38

Install J-Tower Footings	Forklifts	1	7.00	125	0.20
Install J-Tower Footings	Graders	0	8.00	174	0.41
Install J-Tower Footings	Graders	0	8.00	174	0.41
Install J-Tower Footings	Off-Highway Trucks	2	8.00	300	0.38
Install J-Tower Footings	Off-Highway Trucks	1	8.00	350	0.38
Install J-Tower Footings	Off-Highway Trucks	3	2.00	350	0.38
Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Install J-Tower Footings	Tractors/Loaders/Backhoes	0	8.00	97	0.37
J-Tower Assembly & Erection	Air Compressors	1	8.00	60	0.48
J-Tower Assembly & Erection	Cranes	1	6.00	350	0.29
J-Tower Assembly & Erection	Forklifts	1	7.00	125	0.20
J-Tower Assembly & Erection	Graders	0	8.00	174	0.41
J-Tower Assembly & Erection	Off-Highway Trucks	2	6.00	300	0.38
J-Tower Assembly & Erection	Off-Highway Trucks	1	6.00	400	0.38
J-Tower Assembly & Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Remove Existing Conductor	Cranes	2	8.00	350	0.29
Remove Existing Conductor	Cranes	1	0.00	350	0.29
Remove Existing Conductor	Forklifts	1	0.00	125	0.20
Remove Existing Conductor	Off-Highway Trucks	4	8.00	250	0.38
Remove Existing Conductor	Off-Highway Trucks	1	1.00	350	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	450	0.38
Remove Existing Conductor	Off-Highway Trucks	1	0.00	400	0.38
Remove Existing Conductor	Off-Highway Trucks	4	4.00	300	0.38
Remove Existing Conductor	Off-Highway Trucks	2	4.00	300	0.38
Remove Existing Conductor	Other Construction Equipment	1	6.00	350	0.42
Remove Existing Conductor	Other Construction Equipment	1	6.00	300	0.42
Install Conductor	Cranes	2	8.00	350	0.29
Install Conductor	Graders	1	0.00	162	0.41
Install Conductor	Off-Highway Trucks	4	8.00	250	0.38
Install Conductor	Off-Highway Trucks	1	2.00	350	0.38

Install Conductor	Off-Highway Trucks	2	6.00	350	0.38
Install Conductor	Off-Highway Trucks	1	6.00	350	0.38
Install Conductor	Off-Highway Trucks	2	4.00	450	0.38
Install Conductor	Off-Highway Trucks	4	8.00	300	0.38
Install Conductor	Off-Highway Trucks	2	8.00	300	0.38
Install Conductor	Other Construction Equipment	1	6.00	300	0.42
Install Conductor	Other Construction Equipment	1	6.00	350	0.42
Install Conductor	Tractors/Loaders/Backhoes	1	2.00	125	0.37
LST Removal	Air Compressors	1	8.00	60	0.48
LST Removal	Cranes	1	6.00	215	0.29
LST Removal	Cranes	1	6.00	350	0.29
LST Removal	Cranes	1	0.00	350	0.29
LST Removal	Forklifts	1	0.00	125	0.20
LST Removal	Graders	1	0.00	162	0.41
LST Removal	Off-Highway Trucks	1	4.00	400	0.38
LST Removal	Off-Highway Trucks	1	0.00	400	0.38
LST Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
LST Foundation Removal	Air Compressors	1	8.00	60	0.48
LST Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
LST Foundation Removal	Excavators	1	4.00	250	0.38
LST Foundation Removal	Off-Highway Trucks	1	6.00	350	0.38
LST Foundation Removal	Rubber Tired Dozers	1	0.00	358	0.40
LST Foundation Removal	Tractors/Loaders/Backhoes	1	6.00	125	0.37
Wood Pole Removal	Air Compressors	1	5.00	60	0.48
Wood Pole Removal	Cranes	1	9.00	350	0.29
Wood Pole Removal	Cranes	1	0.00	350	0.29
Wood Pole Removal	Forklifts	1	0.00	125	0.20
Wood Pole Removal	Graders	1	0.00	162	0.41
Wood Pole Removal	Off-Highway Trucks	1	9.00	250	0.38
Wood Pole Removal	Off-Highway Trucks	2	9.00	300	0.38

Wood Pole Removal	Off-Highway Trucks	1	9.00	400	0.38
Wood Pole Removal	Tractors/Loaders/Backhoes	1	0.00	75	0.37
Restoration	Graders	1	6.00	250	0.41
Restoration	Off-Highway Trucks	1	8.00	300	0.38
Restoration	Off-Highway Trucks	1	4.00	450	0.38
Restoration	Plate Compactors	1	4.00	100	0.43
Restoration	Tractors/Loaders/Backhoes	1	4.00	125	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Survey	3	8.00	2.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Material Staging Yards	7	52.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Roads and Landing Work	15	0.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Haul	4	0.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
Install TSP foundation	11	0.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Assembly	6	0.00	1.00	0.00	10.80	80.00	20.00	LD_Mix	MHDT	HHDT
TSP Erection	6	0.00	4.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Install J-Tower Foundations	9	0.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
J-Tower Assembly & Erection	6	0.00	2.00	0.00	10.80	60.00	20.00	LD_Mix	MHDT	HHDT
Remove Existing Conductor	20	0.00	0.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Install Conductor	22	0.00	3.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
LST Removal	9	0.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
LST Foundation Removal	6	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	MHDT	HHDT
Wood Pole Removal	10	0.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT
Restoration	5	0.00	2.00	0.00	10.80	40.00	20.00	LD_Mix	MHDT	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Survey - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5500e-003	0.0000	3.5500e-003	3.8000e-004	0.0000	3.8000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			3.5500e-003	0.0000	3.5500e-003	3.8000e-004	0.0000	3.8000e-004			0.0000	0.0000	0.0000	0.0000

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.7200e-003	0.0345			7.9000e-004	1.0600e-003	1.8400e-003	2.4000e-004	1.0600e-003	1.3000e-003			2.6012	4.1000e-004	0.0000	2.6098
Worker	2.5000e-003	3.0000e-003			4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.4000e-004			0.5184	1.9000e-004	0.0000	0.5224
Total	8.2200e-003	0.0375			1.2100e-003	1.0800e-003	2.2800e-003	3.6000e-004	1.0800e-003	1.4400e-003			3.1195	6.0000e-004	0.0000	3.1322

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6000e-003	0.0000	1.6000e-003	1.7000e-004	0.0000	1.7000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			1.6000e-003	0.0000	1.6000e-003	1.7000e-004	0.0000	1.7000e-004			0.0000	0.0000	0.0000	0.0000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.7200e-003	0.0345			7.9000e-004	1.0600e-003	1.8400e-003	2.4000e-004	1.0600e-003	1.3000e-003			2.6012	4.1000e-004	0.0000	2.6098
Worker	2.5000e-003	3.0000e-003			4.2000e-004	2.0000e-005	4.4000e-004	1.2000e-004	2.0000e-005	1.4000e-004			0.5184	1.9000e-004	0.0000	0.5224
Total	8.2200e-003	0.0375			1.2100e-003	1.0800e-003	2.2800e-003	3.6000e-004	1.0800e-003	1.4400e-003			3.1195	6.0000e-004	0.0000	3.1322

3.3 Material Staging Yards - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0318	0.0000	0.0318	3.4400e-003	0.0000	3.4400e-003			0.0000	0.0000	0.0000	0.0000

Off-Road	0.9611	7.9421				0.5248	0.5248		0.5248	0.5248			284.2490	0.0784	0.0000	285.8951
Total	0.9611	7.9421			0.0318	0.5248	0.5566	3.4400e-003	0.5248	0.5282			284.2490	0.0784	0.0000	285.8951

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.2871	0.3436			0.0480	2.4100e-003	0.0505	0.0142	2.4100e-003	0.0166			59.4452	0.0220	0.0000	59.9080
Total	0.2871	0.3436			0.0480	2.4100e-003	0.0505	0.0142	2.4100e-003	0.0166			59.4452	0.0220	0.0000	59.9080

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0143	0.0000	0.0143	1.5500e-003	0.0000	1.5500e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.9611	7.9421				0.5248	0.5248		0.5248	0.5248			284.2486	0.0784	0.0000	285.8947
Total	0.9611	7.9421			0.0143	0.5248	0.5391	1.5500e-003	0.5248	0.5263			284.2486	0.0784	0.0000	285.8947

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.2871	0.3436			0.0480	2.4100e-003	0.0505	0.0142	2.4100e-003	0.0166			59.4452	0.0220	0.0000	59.9080
Total	0.2871	0.3436			0.0480	2.4100e-003	0.0505	0.0142	2.4100e-003	0.0166			59.4452	0.0220	0.0000	59.9080

3.3 Material Staging Yards - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0318	0.0000	0.0318	3.4400e-003	0.0000	3.4400e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.5457	4.9390				0.2196	0.2196		0.2196	0.2196			291.1538	0.0443	0.0000	292.0845
Total	0.5457	4.9390			0.0318	0.2196	0.2514	3.4400e-003	0.2196	0.2230			291.1538	0.0443	0.0000	292.0845

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.1214	0.1681			0.0492	2.1100e-003	0.0513	0.0145	2.1100e-003	0.0166			61.0530	0.0113	0.0000	61.2904
Total	0.1214	0.1681			0.0492	2.1100e-003	0.0513	0.0145	2.1100e-003	0.0166			61.0530	0.0113	0.0000	61.2904

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0143	0.0000	0.0143	1.5500e-003	0.0000	1.5500e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.5457	4.9390				0.2196	0.2196		0.2196	0.2196			291.1534	0.0443	0.0000	292.0841
Total	0.5457	4.9390			0.0143	0.2196	0.2339	1.5500e-003	0.2196	0.2211			291.1534	0.0443	0.0000	292.0841

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.1214	0.1681			0.0492	2.1100e-003	0.0513	0.0145	2.1100e-003	0.0166			61.0530	0.0113	0.0000	61.2904
Total	0.1214	0.1681			0.0492	2.1100e-003	0.0513	0.0145	2.1100e-003	0.0166			61.0530	0.0113	0.0000	61.2904

3.4 Roads and Landing Work - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0350	0.0000	0.0350	3.7800e-003	0.0000	3.7800e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.6294	4.8313				0.3358	0.3358		0.3358	0.3358			173.7520	0.0514	0.0000	174.8310
Total	0.6294	4.8313			0.0350	0.3358	0.3708	3.7800e-003	0.3358	0.3396			173.7520	0.0514	0.0000	174.8310

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.0604			1.3700e-003	1.8500e-003	3.2200e-003	4.2000e-004	1.8500e-003	2.2700e-003			4.5520	7.2000e-004	0.0000	4.5671
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0100	0.0604			1.3700e-003	1.8500e-003	3.2200e-003	4.2000e-004	1.8500e-003	2.2700e-003			4.5520	7.2000e-004	0.0000	4.5671

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0158	0.0000	0.0158	1.7000e-003	0.0000	1.7000e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.6294	4.8313				0.3358	0.3358		0.3358	0.3358			173.7518	0.0514	0.0000	174.8308
Total	0.6294	4.8313			0.0158	0.3358	0.3516	1.7000e-003	0.3358	0.3375			173.7518	0.0514	0.0000	174.8308

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.0604			1.3700e-003	1.8500e-003	3.2200e-003	4.2000e-004	1.8500e-003	2.2700e-003			4.5520	7.2000e-004	0.0000	4.5671
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0100	0.0604			1.3700e-003	1.8500e-003	3.2200e-003	4.2000e-004	1.8500e-003	2.2700e-003			4.5520	7.2000e-004	0.0000	4.5671

3.5 TSP Haul - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.0500e-003	0.0000	7.0500e-003	7.6000e-004	0.0000	7.6000e-004			0.0000	0.0000	0.0000	0.0000

Off-Road	0.0959	0.7915				0.0523	0.0523		0.0523	0.0523			28.0029	7.8200e-003	0.0000	28.1671
Total	0.0959	0.7915			7.0500e-003	0.0523	0.0593	7.6000e-004	0.0523	0.0530			28.0029	7.8200e-003	0.0000	28.1671

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.5200e-003	0.0333			7.6000e-004	1.0200e-003	1.7800e-003	2.3000e-004	1.0200e-003	1.2500e-003			2.5083	4.0000e-004	0.0000	2.5166
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.5200e-003	0.0333			7.6000e-004	1.0200e-003	1.7800e-003	2.3000e-004	1.0200e-003	1.2500e-003			2.5083	4.0000e-004	0.0000	2.5166

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.1700e-003	0.0000	3.1700e-003	3.4000e-004	0.0000	3.4000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0959	0.7915				0.0523	0.0523		0.0523	0.0523			28.0029	7.8200e-003	0.0000	28.1671
Total	0.0959	0.7915			3.1700e-003	0.0523	0.0554	3.4000e-004	0.0523	0.0526			28.0029	7.8200e-003	0.0000	28.1671

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.5200e-003	0.0333			7.6000e-004	1.0200e-003	1.7800e-003	2.3000e-004	1.0200e-003	1.2500e-003			2.5083	4.0000e-004	0.0000	2.5166
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.5200e-003	0.0333			7.6000e-004	1.0200e-003	1.7800e-003	2.3000e-004	1.0200e-003	1.2500e-003			2.5083	4.0000e-004	0.0000	2.5166

3.6 Install TSP foundation - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4999	4.1410				0.2721	0.2721		0.2721	0.2721			150.7498	0.0408	0.0000	151.6059
Total	0.4999	4.1410				0.2721	0.2721		0.2721	0.2721			150.7498	0.0408	0.0000	151.6059

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.1307			2.9700e-003	4.0000e-003	6.9700e-003	9.0000e-004	4.0000e-003	4.9000e-003			9.8472	1.5600e-003	0.0000	9.8799
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0217	0.1307			2.9700e-003	4.0000e-003	6.9700e-003	9.0000e-004	4.0000e-003	4.9000e-003			9.8472	1.5600e-003	0.0000	9.8799

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4999	4.1410				0.2721	0.2721		0.2721	0.2721			150.7497	0.0408	0.0000	151.6057
Total	0.4999	4.1410				0.2721	0.2721		0.2721	0.2721			150.7497	0.0408	0.0000	151.6057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0217	0.1307			2.9700e-003	4.0000e-003	6.9700e-003	9.0000e-004	4.0000e-003	4.9000e-003			9.8472	1.5600e-003	0.0000	9.8799
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0217	0.1307			2.9700e-003	4.0000e-003	6.9700e-003	9.0000e-004	4.0000e-003	4.9000e-003			9.8472	1.5600e-003	0.0000	9.8799

3.7 TSP Assembly - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0141	0.0000	0.0141	1.5200e-003	0.0000	1.5200e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2004	1.6156				0.1093	0.1093		0.1093	0.1093			57.1313	0.0163	0.0000	57.4744
Total	0.2004	1.6156			0.0141	0.1093	0.1233	1.5200e-003	0.1093	0.1108			57.1313	0.0163	0.0000	57.4744

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.0654			1.4900e-003	2.0000e-003	3.4900e-003	4.5000e-004	2.0000e-003	2.4500e-003			4.9236	7.8000e-004	0.0000	4.9399
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0654			1.4900e-003	2.0000e-003	3.4900e-003	4.5000e-004	2.0000e-003	2.4500e-003			4.9236	7.8000e-004	0.0000	4.9399

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3200e-003	0.0000	6.3200e-003	6.8000e-004	0.0000	6.8000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2004	1.6156				0.1093	0.1093		0.1093	0.1093			57.1313	0.0163	0.0000	57.4743
Total	0.2004	1.6156			6.3200e-003	0.1093	0.1156	6.8000e-004	0.1093	0.1100			57.1313	0.0163	0.0000	57.4743

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.0654			1.4900e-003	2.0000e-003	3.4900e-003	4.5000e-004	2.0000e-003	2.4500e-003			4.9236	7.8000e-004	0.0000	4.9399
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0108	0.0654			1.4900e-003	2.0000e-003	3.4900e-003	4.5000e-004	2.0000e-003	2.4500e-003			4.9236	7.8000e-004	0.0000	4.9399

3.8 TSP Erection - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0141	0.0000	0.0141	1.5200e-003	0.0000	1.5200e-003			0.0000	0.0000	0.0000	0.0000

Off-Road	0.1930	1.5673				0.1052	0.1052		0.1052	0.1052			55.3964	0.0157	0.0000	55.7268
Total	0.1930	1.5673			0.0141	0.1052	0.1193	1.5200e-003	0.1052	0.1067			55.3964	0.0157	0.0000	55.7268

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0226	0.1311			2.9700e-003	4.0100e-003	6.9800e-003	9.0000e-004	4.0100e-003	4.9100e-003			9.8695	1.6200e-003	0.0000	9.9035
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0226	0.1311			2.9700e-003	4.0100e-003	6.9800e-003	9.0000e-004	4.0100e-003	4.9100e-003			9.8695	1.6200e-003	0.0000	9.9035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3200e-003	0.0000	6.3200e-003	6.8000e-004	0.0000	6.8000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1930	1.5673				0.1052	0.1052		0.1052	0.1052			55.3964	0.0157	0.0000	55.7267
Total	0.1930	1.5673			6.3200e-003	0.1052	0.1115	6.8000e-004	0.1052	0.1059			55.3964	0.0157	0.0000	55.7267

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0226	0.1311			2.9700e-003	4.0100e-003	6.9800e-003	9.0000e-004	4.0100e-003	4.9100e-003			9.8695	1.6200e-003	0.0000	9.9035
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0226	0.1311			2.9700e-003	4.0100e-003	6.9800e-003	9.0000e-004	4.0100e-003	4.9100e-003			9.8695	1.6200e-003	0.0000	9.9035

3.9 Install J-Tower Footings - 1999

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1003	0.8077				0.0550	0.0550		0.0550	0.0550			28.7937	8.1800e-003	0.0000	28.9655
Total	0.1003	0.8077			8.0000e-004	0.0550	0.0558	9.0000e-005	0.0550	0.0550			28.7937	8.1800e-003	0.0000	28.9655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.7300e-003	0.0222			5.0000e-004	6.8000e-004	1.1800e-003	1.5000e-004	6.8000e-004	8.3000e-004			1.6734	2.7000e-004	0.0000	1.6791
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	3.7300e-003	0.0222			5.0000e-004	6.8000e-004	1.1800e-003	1.5000e-004	6.8000e-004	8.3000e-004			1.6734	2.7000e-004	0.0000	1.6791

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.1003	0.8077				0.0550	0.0550		0.0550	0.0550			28.7936	8.1800e-003	0.0000	28.9655
Total	0.1003	0.8077			3.6000e-004	0.0550	0.0553	4.0000e-005	0.0550	0.0550			28.7936	8.1800e-003	0.0000	28.9655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	3.7300e-003	0.0222			5.0000e-004	6.8000e-004	1.1800e-003	1.5000e-004	6.8000e-004	8.3000e-004			1.6734	2.7000e-004	0.0000	1.6791
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	3.7300e-003	0.0222			5.0000e-004	6.8000e-004	1.1800e-003	1.5000e-004	6.8000e-004	8.3000e-004			1.6734	2.7000e-004	0.0000	1.6791

3.9 Install J-Tower Footings - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0619	0.5337				0.0256	0.0256		0.0256	0.0256			31.1931	5.0300e-003	0.0000	31.2987
Total	0.0619	0.5337			8.0000e-004	0.0256	0.0264	9.0000e-005	0.0256	0.0257			31.1931	5.0300e-003	0.0000	31.2987

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.5000e-004	0.0224			5.5000e-004	4.1000e-004	9.6000e-004	1.7000e-004	4.1000e-004	5.7000e-004			1.9905	7.0000e-005	0.0000	1.9919
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	8.5000e-004	0.0224			5.5000e-004	4.1000e-004	9.6000e-004	1.7000e-004	4.1000e-004	5.7000e-004			1.9905	7.0000e-005	0.0000	1.9919

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0619	0.5337				0.0256	0.0256		0.0256	0.0256			31.1931	5.0300e-003	0.0000	31.2986
Total	0.0619	0.5337			3.6000e-004	0.0256	0.0260	4.0000e-005	0.0256	0.0257			31.1931	5.0300e-003	0.0000	31.2986

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	8.5000e-004	0.0224			5.5000e-004	4.1000e-004	9.6000e-004	1.7000e-004	4.1000e-004	5.7000e-004			1.9905	7.0000e-005	0.0000	1.9919
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	8.5000e-004	0.0224			5.5000e-004	4.1000e-004	9.6000e-004	1.7000e-004	4.1000e-004	5.7000e-004			1.9905	7.0000e-005	0.0000	1.9919

3.10 J-Tower Assembly & Erection - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.0000e-004	0.0000	8.0000e-004	9.0000e-005	0.0000	9.0000e-005			0.0000	0.0000	0.0000	0.0000

Off-Road	0.0931	0.8071				0.0383	0.0383		0.0383	0.0383			46.8051	7.5700e-003	0.0000	46.9641
Total	0.0931	0.8071			8.0000e-004	0.0383	0.0391	9.0000e-005	0.0383	0.0383			46.8051	7.5700e-003	0.0000	46.9641

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0430			1.0500e-003	7.9000e-004	1.8400e-003	3.2000e-004	7.9000e-004	1.1000e-003			3.8279	1.3000e-004	0.0000	3.8306
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	1.6400e-003	0.0430			1.0500e-003	7.9000e-004	1.8400e-003	3.2000e-004	7.9000e-004	1.1000e-003			3.8279	1.3000e-004	0.0000	3.8306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6000e-004	0.0000	3.6000e-004	4.0000e-005	0.0000	4.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0931	0.8071				0.0383	0.0383		0.0383	0.0383			46.8051	7.5700e-003	0.0000	46.9641
Total	0.0931	0.8071			3.6000e-004	0.0383	0.0386	4.0000e-005	0.0383	0.0383			46.8051	7.5700e-003	0.0000	46.9641

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.6400e-003	0.0430			1.0500e-003	7.9000e-004	1.8400e-003	3.2000e-004	7.9000e-004	1.1000e-003			3.8279	1.3000e-004	0.0000	3.8306
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	1.6400e-003	0.0430			1.0500e-003	7.9000e-004	1.8400e-003	3.2000e-004	7.9000e-004	1.1000e-003			3.8279	1.3000e-004	0.0000	3.8306

3.11 Remove Existing Conductor - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3023	2.7595				0.1214	0.1214		0.1214	0.1214			161.7112	0.0246	0.0000	162.2267
Total	0.3023	2.7595				0.1214	0.1214		0.1214	0.1214			161.7112	0.0246	0.0000	162.2267

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3023	2.7594				0.1214	0.1214		0.1214	0.1214			161.7110	0.0246	0.0000	162.2265
Total	0.3023	2.7594				0.1214	0.1214		0.1214	0.1214			161.7110	0.0246	0.0000	162.2265

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

3.12 Install Conductor - 2000
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.2800e-003	0.0000	9.2800e-003	1.0000e-003	0.0000	1.0000e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	0.4527	4.1432				0.1816	0.1816		0.1816	0.1816			243.8864	0.0368	0.0000	244.6581
Total	0.4527	4.1432			9.2800e-003	0.1816	0.1909	1.0000e-003	0.1816	0.1826			243.8864	0.0368	0.0000	244.6581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0465			1.1400e-003	8.5000e-004	1.9800e-003	3.4000e-004	8.5000e-004	1.1900e-003			4.1390	1.4000e-004	0.0000	4.1420
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	1.8700e-003	0.0465			1.1400e-003	8.5000e-004	1.9800e-003	3.4000e-004	8.5000e-004	1.1900e-003			4.1390	1.4000e-004	0.0000	4.1420

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1800e-003	0.0000	4.1800e-003	4.5000e-004	0.0000	4.5000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.4527	4.1431				0.1816	0.1816		0.1816	0.1816			243.8861	0.0368	0.0000	244.6579
Total	0.4527	4.1431			4.1800e-003	0.1816	0.1858	4.5000e-004	0.1816	0.1821			243.8861	0.0368	0.0000	244.6579

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	1.8700e-003	0.0465			1.1400e-003	8.5000e-004	1.9800e-003	3.4000e-004	8.5000e-004	1.1900e-003			4.1390	1.4000e-004	0.0000	4.1420
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	1.8700e-003	0.0465			1.1400e-003	8.5000e-004	1.9800e-003	3.4000e-004	8.5000e-004	1.1900e-003			4.1390	1.4000e-004	0.0000	4.1420

3.13 LST Removal - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1400e-003	0.0000	4.1400e-003	4.5000e-004	0.0000	4.5000e-004			0.0000	0.0000	0.0000	0.0000

Off-Road	0.2676	2.2239				0.1121	0.1121		0.1121	0.1121			124.2188	0.0218	0.0000	124.6763
Total	0.2676	2.2239			4.1400e-003	0.1121	0.1162	4.5000e-004	0.1121	0.1125			124.2188	0.0218	0.0000	124.6763

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.5500e-003	0.1379			3.3700e-003	2.5100e-003	5.8800e-003	1.0200e-003	2.5100e-003	3.5400e-003			12.2636	4.2000e-004	0.0000	12.2725
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.5500e-003	0.1379			3.3700e-003	2.5100e-003	5.8800e-003	1.0200e-003	2.5100e-003	3.5400e-003			12.2636	4.2000e-004	0.0000	12.2725

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8600e-003	0.0000	1.8600e-003	2.0000e-004	0.0000	2.0000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	0.2676	2.2239				0.1121	0.1121		0.1121	0.1121			124.2187	0.0218	0.0000	124.6761
Total	0.2676	2.2239			1.8600e-003	0.1121	0.1139	2.0000e-004	0.1121	0.1123			124.2187	0.0218	0.0000	124.6761

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.5500e-003	0.1379			3.3700e-003	2.5100e-003	5.8800e-003	1.0200e-003	2.5100e-003	3.5400e-003			12.2636	4.2000e-004	0.0000	12.2725
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.5500e-003	0.1379			3.3700e-003	2.5100e-003	5.8800e-003	1.0200e-003	2.5100e-003	3.5400e-003			12.2636	4.2000e-004	0.0000	12.2725

3.14 LST Foundation Removal - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0308	0.2513				0.0130	0.0130		0.0130	0.0130			14.3714	2.5100e-003	0.0000	14.4241
Total	0.0308	0.2513				0.0130	0.0130		0.0130	0.0130			14.3714	2.5100e-003	0.0000	14.4241

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0308	0.2513				0.0130	0.0130		0.0130	0.0130			14.3714	2.5100e-003	0.0000	14.4241
Total	0.0308	0.2513				0.0130	0.0130		0.0130	0.0130			14.3714	2.5100e-003	0.0000	14.4241

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

3.15 Wood Pole Removal - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004			0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0522				2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003			3.0305	4.7000e-004	0.0000	3.0404
Total	5.8300e-003	0.0522			1.0600e-003	2.3600e-003	3.4200e-003	1.1000e-004	2.3600e-003	2.4700e-003			3.0305	4.7000e-004	0.0000	3.0404

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.1500e-003			3.0000e-005	2.0000e-005	5.0000e-005	1.0000e-005	2.0000e-005	3.0000e-005			0.1022	0.0000	0.0000	0.1023
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	1.1500e-003			3.0000e-005	2.0000e-005	5.0000e-005	1.0000e-005	2.0000e-005	3.0000e-005			0.1022	0.0000	0.0000	0.1023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8000e-004	0.0000	4.8000e-004	5.0000e-005	0.0000	5.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	5.8300e-003	0.0522				2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003			3.0305	4.7000e-004	0.0000	3.0404
Total	5.8300e-003	0.0522			4.8000e-004	2.3600e-003	2.8400e-003	5.0000e-005	2.3600e-003	2.4100e-003			3.0305	4.7000e-004	0.0000	3.0404

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	5.0000e-005	1.1500e-003			3.0000e-005	2.0000e-005	5.0000e-005	1.0000e-005	2.0000e-005	3.0000e-005			0.1022	0.0000	0.0000	0.1023
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	1.1500e-003			3.0000e-005	2.0000e-005	5.0000e-005	1.0000e-005	2.0000e-005	3.0000e-005			0.1022	0.0000	0.0000	0.1023

3.16 Restoration - 2000

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.0000e-004	0.0000	6.0000e-004	6.0000e-005	0.0000	6.0000e-005			0.0000	0.0000	0.0000	0.0000

Off-Road	0.0366	0.3274				0.0148	0.0148		0.0148	0.0148			19.0630	2.9700e-003	0.0000	19.1254
Total	0.0366	0.3274			6.0000e-004	0.0148	0.0154	6.0000e-005	0.0148	0.0149			19.0630	2.9700e-003	0.0000	19.1254

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0161			3.9000e-004	2.9000e-004	6.9000e-004	1.2000e-004	2.9000e-004	4.1000e-004			1.4308	5.0000e-005	0.0000	1.4318
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	6.5000e-004	0.0161			3.9000e-004	2.9000e-004	6.9000e-004	1.2000e-004	2.9000e-004	4.1000e-004			1.4308	5.0000e-005	0.0000	1.4318

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005			0.0000	0.0000	0.0000	0.0000
Off-Road	0.0366	0.3274				0.0148	0.0148		0.0148	0.0148			19.0630	2.9700e-003	0.0000	19.1254
Total	0.0366	0.3274			2.7000e-004	0.0148	0.0151	3.0000e-005	0.0148	0.0149			19.0630	2.9700e-003	0.0000	19.1254

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	6.5000e-004	0.0161			3.9000e-004	2.9000e-004	6.9000e-004	1.2000e-004	2.9000e-004	4.1000e-004			1.4308	5.0000e-005	0.0000	1.4318
Worker	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	6.5000e-004	0.0161			3.9000e-004	2.9000e-004	6.9000e-004	1.2000e-004	2.9000e-004	4.1000e-004			1.4308	5.0000e-005	0.0000	1.4318

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.469685	0.091699	0.238122	0.121351	0.029583	0.008367	0.012148	0.013395	0.000478	0.000356	0.008304	0.000533	0.005979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated							0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000					0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000					0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000					0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000					0.0000	0.0000		0.0000			0.0000	0.0000	0.0000	0.0000

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000				0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

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